

Test Name	CDR, PIR, rep 2
Cladding	Cedar Wood
Cladding Thickness [mm]	12
Insulation	Polyisocyanurate (PIR) foam
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	2
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of a Cedar Wood cladding panel and a Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	At approximately 11 minutes flaming was observed to break through the back of the PIR insulation panel.
Peak HRR [kW]	193
Time to Peak HRR [mins]	3.32
Residual HRR [kW]	0.625
Total HR [MJ]	48.1
Peak dQ/dt [kW/s]	1.9
Time to Peak dQ/dt [s]	1.83

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	0.34	0.34	2.9824	1.8556	-0.001	4.8371	2.8827	1.1682	0.0384	4.0893
1	0.434	0.414	2.982	1.8541	-0.001	4.835	2.947	1.1892	0.035	4.1711
2	0.467	0.401	2.9818	1.8517	-0.0012	4.8323	2.981	1.1863	0.0291	4.1964
3	0.368	0.479	2.9819	1.8499	-0.0013	4.8305	2.9983	1.1784	0.0268	4.2035
4	0.396	0.591	2.982	1.8485	-0.0014	4.8291	3.0173	1.1941	0.0263	4.2378
5	0.608	1.03	2.9817	1.8464	-0.0014	4.8267	3.0339	1.1997	0.0258	4.2594
6	0.741	1.72	2.9812	1.8449	-0.0015	4.8246	3.0637	1.2033	0.0254	4.2924
7	0.755	2.49	2.9809	1.8435	-0.0016	4.8228	3.1138	1.2282	0.0249	4.3669
8	1.21	3.29	2.9811	1.8419	-0.0016	4.8214	3.1576	1.2355	0.0245	4.4176
9	2.33	4.1	2.9813	1.8408	-0.0016	4.8205	3.2116	1.2456	0.0241	4.4813
10	3.72	4.74	2.981	1.8392	-0.0016	4.8186	3.2585	1.2616	0.0247	4.5448
11	5.08	5.41	2.9804	1.8374	-0.0017	4.8161	3.323	1.2728	0.0252	4.621
12	5.96	6.16	2.98	1.8364	-0.0017	4.8147	3.3884	1.2719	0.0229	4.6832
13	7.06	6.97	2.979	1.8356	-0.0018	4.8127	3.4749	1.2805	0.0225	4.7779
14	7.81	7.78	2.9778	1.8347	-0.0018	4.8108	3.5473	1.2834	0.0212	4.8519
15	8.72	8.68	2.9769	1.834	-0.0018	4.8091	3.6146	1.2872	0.0181	4.92
16	9.92	9.56	2.9741	1.8331	-0.0019	4.8053	3.6796	1.3	0.0193	4.9989
17	10.3	10.5	2.9712	1.8326	-0.002	4.8018	3.736	1.3004	0.0185	5.0549
18	11.7	11.5	2.9677	1.8322	-0.002	4.7979	3.831	1.311	0.0179	5.1599
19	12.5	12.5	2.9647	1.8318	-0.002	4.7945	3.8779	1.3184	0.019	5.2153
20	13.1	13.5	2.962	1.8314	-0.002	4.7914	3.944	1.3317	0.0174	5.2931
21	14.7	14.5	2.9598	1.8308	-0.002	4.7886	3.9917	1.3369	0.0158	5.3444
22	15.8	15.5	2.958	1.8303	-0.002	4.7864	4.0487	1.3465	0.0156	5.4108
23	15.8	16.5	2.9569	1.8299	-0.0019	4.7849	4.0862	1.3598	0.0149	5.4608
24	17.7	17.5	2.9559	1.8284	-0.0018	4.7825	4.1239	1.3726	0.0144	5.5109
25	17.5	18.6	2.9531	1.8278	-0.0019	4.7789	4.1601	1.3779	0.0142	5.5522
26	18.6	19.7	2.9523	1.8273	-0.0019	4.7777	4.2042	1.38	0.0134	5.5976
27	20.5	21	2.9513	1.8261	-0.0019	4.7755	4.272	1.3832	0.0123	5.6675
28	21.7	22.3	2.9495	1.8253	-0.0019	4.773	4.3241	1.3843	0.0118	5.7202

29	22.2	23.6	2.949	1.8242	-0.0018	4.7715	4.3591	1.3907	0.0128	5.7627
30	23.4	25.1	2.945	1.8235	-0.0017	4.7667	4.4167	1.4025	0.0153	5.8345
31	25.2	26.6	2.9388	1.8227	-0.0017	4.7598	4.4451	1.4016	0.0165	5.8632
32	25.8	28.2	2.9353	1.8218	-0.0018	4.7554	4.4761	1.4108	0.0176	5.9046
33	27.1	29.8	2.9295	1.8211	-0.0019	4.7487	4.4825	1.4316	0.0183	5.9324
34	29.4	31.6	2.9253	1.8192	-0.002	4.7426	4.5124	1.4484	0.0186	5.9794
35	31	33.6	2.9197	1.8183	-0.002	4.7359	4.537	1.4494	0.0185	6.0048
36	35.9	35.6	2.9143	1.817	-0.002	4.7293	4.5747	1.4574	0.0171	6.0492
37	34.9	37.6	2.9094	1.8153	-0.0019	4.7227	4.6011	1.4672	0.017	6.0853
38	37.4	39.7	2.9053	1.8146	-0.002	4.7179	4.6158	1.4778	0.0173	6.1108
39	42.1	41.7	2.8993	1.8131	-0.002	4.7104	4.6459	1.4766	0.0162	6.1386
40	43.6	43.8	2.8942	1.8121	-0.0022	4.704	4.6567	1.4794	0.0158	6.1519
41	45.5	46	2.8898	1.8108	-0.0024	4.6982	4.6809	1.4783	0.0145	6.1737
42	47.6	48.2	2.8843	1.8092	-0.0026	4.6909	4.6686	1.481	0.0142	6.1638
43	51.3	50.6	2.8782	1.808	-0.0027	4.6835	4.6888	1.4847	0.0131	6.1867
44	54.4	52.8	2.8706	1.8063	-0.0027	4.6742	4.7333	1.4842	0.0136	6.2311
45	57.3	54.9	2.8656	1.8041	-0.0027	4.667	4.7428	1.4893	0.015	6.2471
46	58.8	57	2.8583	1.8033	-0.0024	4.6592	4.7395	1.4947	0.0148	6.249
47	60.7	59.1	2.8504	1.8017	-0.0025	4.6496	4.7441	1.4993	0.0146	6.2581
48	61.9	61.3	2.845	1.8007	-0.0025	4.6431	4.7537	1.5021	0.0145	6.2703
49	63	63.4	2.8397	1.7986	-0.0025	4.6358	4.7558	1.5063	0.0123	6.2745
50	65.6	65.6	2.8336	1.7964	-0.0024	4.6276	4.7722	1.5144	0.0112	6.2977
51	69.1	67.8	2.8288	1.7953	-0.0021	4.6221	4.8512	1.5258	0.0062	6.3831
52	72.3	70.1	2.8249	1.7946	-0.002	4.6175	4.9209	1.5304	0.004	6.4553
53	71.2	72.1	2.8209	1.7925	-0.002	4.6115	4.966	1.5278	0.003	6.4968
54	70	74	2.817	1.791	-0.002	4.606	5.0241	1.5353	0.0014	6.5608
55	77.1	76.1	2.8123	1.7896	-0.002	4.5999	5.0825	1.5394	0	6.6219
56	74	78.2	2.8064	1.787	-0.002	4.5914	5.1443	1.545	-0.0008	6.6885
57	79.2	80.2	2.8007	1.7854	-0.002	4.5841	5.1947	1.5413	-0.002	6.7341
58	81.5	82.3	2.7944	1.7835	-0.002	4.5759	5.2626	1.5451	-0.0023	6.8054
59	85.8	84.2	2.7883	1.7813	-0.0021	4.5676	5.3517	1.5444	-0.0009	6.8953
60	88	86.5	2.7812	1.7794	-0.0021	4.5584	5.4451	1.5488	0.0015	6.9954
61	90.2	88.4	2.7738	1.7782	-0.002	4.5499	5.5064	1.5515	0.0014	7.0594
62	90.1	90.6	2.7649	1.7764	-0.002	4.5393	5.5607	1.5539	-0.0013	7.1132
63	91.1	92.6	2.7568	1.7749	-0.0019	4.5298	5.6036	1.5614	0	7.1651
64	95.4	94.9	2.7489	1.7733	-0.0018	4.5205	5.6449	1.572	0	7.2169
65	99.9	96.7	2.741	1.7712	-0.0019	4.5104	5.719	1.5851	-0.0009	7.3031

66	97.7	99.1	2.7335	1.7699	-0.0018	4.5016	5.7743	1.5907	-0.001	7.364
67	103	101	2.7234	1.7679	-0.0018	4.4894	5.8228	1.5948	-0.0033	7.4143
68	98.5	103	2.7163	1.7661	-0.0019	4.4804	5.8554	1.608	-0.0042	7.4593
69	110	104	2.7078	1.7638	-0.0018	4.4698	5.8749	1.6172	-0.0053	7.4869
70	105	106	2.7004	1.7621	-0.0017	4.4608	5.9221	1.6364	-0.0057	7.5529
71	113	107	2.6923	1.7601	-0.0017	4.4507	5.9623	1.6528	-0.0048	7.6103
72	109	109	2.6856	1.7578	-0.0017	4.4417	6.0157	1.6743	-0.0071	7.683
73	113	111	2.6787	1.7554	-0.0016	4.4325	6.072	1.6953	-0.0085	7.7588
74	112	113	2.6718	1.7537	-0.0016	4.4239	6.1305	1.716	-0.0057	7.8408
75	121	114	2.6643	1.7521	-0.0016	4.4149	6.1856	1.7218	-0.0035	7.9039
76	118	115	2.6549	1.7505	-0.0015	4.4039	6.2272	1.7327	-0.0054	7.9545
77	112	116	2.6466	1.749	-0.0015	4.3941	6.2858	1.7434	-0.0076	8.0215
78	114	117	2.6395	1.7472	-0.0016	4.385	6.3639	1.7494	-0.008	8.1053
79	119	118	2.6305	1.7448	-0.0018	4.3735	6.424	1.7519	-0.0077	8.1682
80	119	119	2.6238	1.7435	-0.0019	4.3654	6.5113	1.748	-0.0055	8.2538
81	124	119	2.6168	1.7413	-0.002	4.3561	6.5463	1.7538	-0.0047	8.2954
82	130	120	2.6118	1.7382	-0.0021	4.3479	6.5567	1.7582	-0.0051	8.3098
83	123	121	2.6048	1.7354	-0.0021	4.338	6.584	1.7655	-0.0047	8.3449
84	120	121	2.5982	1.7338	-0.0022	4.3299	6.5883	1.7753	-0.0062	8.3574
85	121	122	2.5904	1.7317	-0.002	4.3201	6.6091	1.7709	-0.0073	8.3726
86	123	122	2.5836	1.7294	-0.0021	4.3109	6.625	1.7783	-0.007	8.3963
87	125	123	2.5777	1.727	-0.0021	4.3025	6.6477	1.7912	-0.0076	8.4312
88	125	123	2.5704	1.7256	-0.002	4.294	6.6879	1.7871	-0.0072	8.4679
89	121	123	2.5648	1.7239	-0.002	4.2866	6.7156	1.7941	-0.0068	8.5029
90	117	123	2.5579	1.7225	-0.0019	4.2785	6.7365	1.8013	-0.007	8.5308
91	127	123	2.5543	1.7208	-0.0019	4.2732	6.7566	1.8079	-0.0106	8.554
92	121	123	2.5478	1.7189	-0.0018	4.2649	6.801	1.8118	-0.0126	8.6001
93	123	123	2.5389	1.7175	-0.0019	4.2546	6.8222	1.8116	-0.0127	8.6211
94	128	123	2.5333	1.7155	-0.002	4.2468	6.8364	1.8188	-0.012	8.6431
95	127	123	2.5289	1.7135	-0.002	4.2404	6.8616	1.8239	-0.0125	8.673
96	126	122	2.5237	1.7116	-0.002	4.2333	6.9111	1.8244	-0.0148	8.7207
97	120	122	2.518	1.7098	-0.002	4.2258	6.939	1.8386	-0.0138	8.7638
98	118	122	2.513	1.7079	-0.0018	4.2191	6.9511	1.8448	-0.0186	8.7773
99	121	122	2.5066	1.7056	-0.0017	4.2105	7.009	1.8449	-0.0208	8.8331
100	118	122	2.4973	1.7031	-0.0016	4.1987	7.0792	1.8452	-0.0183	8.9061
101	124	121	2.4899	1.701	-0.0014	4.1895	7.1141	1.8311	-0.0176	8.9276
102	124	121	2.4852	1.6989	-0.0015	4.1826	7.1704	1.8355	-0.0178	8.9881

103	117	121	2.4795	1.6963	-0.0014	4.1744	7.2515	1.8405	-0.0178	9.0741
104	122	121	2.4738	1.6946	-0.0014	4.1669	7.2945	1.8371	-0.0163	9.1154
105	118	121	2.4673	1.6919	-0.0014	4.1578	7.3528	1.8309	-0.018	9.1657
106	120	121	2.4617	1.6908	-0.0013	4.1512	7.4066	1.826	-0.018	9.2146
107	119	121	2.4547	1.6889	-0.0013	4.1423	7.4735	1.8131	-0.0184	9.2682
108	118	121	2.4459	1.6875	-0.0015	4.1318	7.534	1.8099	-0.0185	9.3254
109	121	121	2.4368	1.686	-0.0017	4.121	7.5789	1.8024	-0.0199	9.3613
110	121	122	2.4304	1.684	-0.0017	4.1126	7.5896	1.7927	-0.0209	9.3613
111	121	121	2.4243	1.6821	-0.0016	4.1048	7.5919	1.7886	-0.0195	9.361
112	119	121	2.4197	1.6803	-0.0017	4.0982	7.601	1.7946	-0.0189	9.3767
113	124	122	2.4145	1.6784	-0.0018	4.091	7.6248	1.7901	-0.02	9.3949
114	123	122	2.4059	1.6762	-0.0017	4.0805	7.6543	1.7937	-0.0214	9.4265
115	128	122	2.3994	1.675	-0.0017	4.0727	7.6563	1.8019	-0.0214	9.4369
116	125	122	2.3918	1.6736	-0.0016	4.0638	7.6701	1.7927	-0.0258	9.4369
117	122	122	2.3856	1.6718	-0.0016	4.0559	7.6818	1.7973	-0.0258	9.4533
118	121	122	2.3802	1.6705	-0.0015	4.0492	7.6966	1.7958	-0.0245	9.4679
119	120	122	2.3725	1.6681	-0.0014	4.0392	7.7562	1.7941	-0.0244	9.5259
120	121	122	2.3658	1.6661	-0.0015	4.0304	7.8257	1.7899	-0.021	9.5946
121	125	122	2.3582	1.6634	-0.0013	4.0203	7.9124	1.789	-0.019	9.6824
122	121	122	2.3508	1.6608	-0.0012	4.0105	7.9445	1.7806	-0.019	9.7061
123	122	122	2.3438	1.6583	-0.0014	4.0008	8.0279	1.7739	-0.0177	9.7841
124	117	122	2.3373	1.6563	-0.0015	3.9921	8.0704	1.7664	-0.0185	9.8183
125	121	122	2.3303	1.6545	-0.0014	3.9835	8.0836	1.7702	-0.0217	9.8321
126	122	122	2.3238	1.6529	-0.0011	3.9755	8.0913	1.7739	-0.023	9.8423
127	123	122	2.3149	1.6511	-0.0011	3.965	8.0868	1.7824	-0.0234	9.8458
128	125	122	2.3071	1.6502	-0.0011	3.9562	8.1011	1.7916	-0.0264	9.8663
129	120	122	2.2978	1.6494	-0.0012	3.9461	8.1329	1.7852	-0.027	9.8911
130	119	122	2.2904	1.6481	-0.0013	3.9372	8.142	1.7815	-0.0269	9.8966
131	125	123	2.2831	1.6469	-0.0012	3.9288	8.1806	1.7916	-0.0265	9.9457
132	125	123	2.2769	1.6453	-0.0013	3.9209	8.2464	1.7951	-0.0272	10.0142
133	124	123	2.2707	1.6436	-0.0013	3.913	8.3076	1.7813	-0.0288	10.0601
134	123	124	2.2644	1.6421	-0.0013	3.9053	8.3896	1.7841	-0.0276	10.1462
135	126	124	2.2572	1.6404	-0.0013	3.8963	8.4557	1.7853	-0.0245	10.2164
136	122	125	2.2495	1.6379	-0.0012	3.8861	8.5275	1.7869	-0.0245	10.2899
137	125	125	2.2406	1.6366	-0.0012	3.876	8.5785	1.7869	-0.0248	10.3406
138	116	125	2.2337	1.6352	-0.0013	3.8676	8.6278	1.7815	-0.0254	10.3839
139	124	126	2.2257	1.6329	-0.0013	3.8573	8.6543	1.7831	-0.0228	10.4146

140	130	127	2.2185	1.6313	-0.0012	3.8486	8.7199	1.7802	-0.022	10.4781
141	126	127	2.2097	1.6296	-0.0011	3.8382	8.7624	1.7823	-0.0221	10.5225
142	131	128	2.2021	1.628	-0.0014	3.8288	8.8354	1.7855	-0.0222	10.5987
143	128	129	2.1945	1.6261	-0.0015	3.8192	8.8959	1.7801	-0.0203	10.6557
144	129	129	2.1844	1.6239	-0.0014	3.8069	8.9028	1.7802	-0.0231	10.66
145	128	130	2.1744	1.6217	-0.0012	3.7949	8.9496	1.7732	-0.0231	10.6996
146	130	131	2.1644	1.6194	-0.001	3.7828	9.0328	1.7751	-0.022	10.7859
147	133	131	2.1553	1.6172	-0.0006	3.7719	9.0796	1.7807	-0.0211	10.8392
148	136	132	2.1441	1.6162	-0.0004	3.7598	9.1379	1.7872	-0.0224	10.9026
149	129	134	2.1318	1.6141	-0.0007	3.7452	9.1844	1.7899	-0.0211	10.9532
150	137	134	2.1221	1.6133	-0.0006	3.7348	9.235	1.7811	-0.0176	10.9985
151	135	135	2.1118	1.6118	-0.0003	3.7233	9.2394	1.7742	-0.0167	10.9969
152	136	136	2.0998	1.6105	-0.0002	3.7101	9.2532	1.7767	-0.0152	11.0147
153	139	137	2.0915	1.6088	-0.0004	3.6999	9.2896	1.7693	-0.0147	11.0442
154	136	138	2.0817	1.6079	-0.0002	3.6895	9.3288	1.7584	-0.0138	11.0735
155	136	140	2.0716	1.607	-0.0002	3.6785	9.3531	1.7601	-0.0157	11.0976
156	134	141	2.059	1.6057	-0.0002	3.6646	9.3696	1.746	-0.0157	11.0999
157	140	143	2.0473	1.6044	-0.0002	3.6515	9.3626	1.7556	-0.017	11.1012
158	145	144	2.0365	1.6033	0	3.6398	9.3809	1.7576	-0.0153	11.1233
159	146	145	2.0294	1.6021	0	3.6315	9.3316	1.7679	-0.0158	11.0838
160	144	146	2.022	1.6005	-0.0002	3.6223	9.3011	1.7652	-0.0165	11.0499
161	145	147	2.0137	1.5987	-0.0001	3.6123	9.2941	1.7661	-0.0157	11.0445
162	142	148	2.0025	1.5973	0	3.5998	9.2829	1.769	-0.0127	11.0392
163	157	150	1.9914	1.5955	0.0002	3.5871	9.2924	1.7705	-0.0137	11.0492
164	158	151	1.9833	1.5932	0.0004	3.5768	9.3063	1.7659	-0.014	11.0581
165	156	152	1.974	1.592	0.0007	3.5667	9.3118	1.7628	-0.0146	11.0601
166	158	154	1.9654	1.5902	0.0008	3.5563	9.313	1.7731	-0.0142	11.0719
167	161	156	1.9537	1.5883	0.0007	3.5426	9.3207	1.7795	-0.0112	11.089
168	154	158	1.9407	1.5866	0.0005	3.5278	9.3419	1.7743	-0.0118	11.1044
169	154	159	1.9252	1.5848	0.0003	3.5103	9.3522	1.7801	-0.0127	11.1195
170	152	161	1.9092	1.5832	0.0002	3.4926	9.3571	1.7681	-0.0123	11.1128
171	160	163	1.8979	1.582	0.0002	3.4801	9.3568	1.7615	-0.013	11.1053
172	163	165	1.8828	1.5804	0.0001	3.4632	9.3455	1.7494	-0.0124	11.0825
173	159	166	1.8716	1.5788	0.0002	3.4507	9.3452	1.7393	-0.0123	11.0722
174	167	168	1.8635	1.5767	0.0005	3.4407	9.3236	1.727	-0.014	11.0367
175	170	169	1.8552	1.5747	0.0007	3.4307	9.29	1.7209	-0.0152	10.9957
176	173	171	1.8462	1.5723	0.0008	3.4193	9.2481	1.7193	-0.0139	10.9536

177	177	172	1.8365	1.5699	0.0011	3.4075	9.2138	1.7213	-0.0114	10.9237
178	179	175	1.8262	1.5686	0.0011	3.3959	9.1546	1.7201	-0.011	10.8637
179	175	177	1.8163	1.5667	0.0009	3.3839	9.1199	1.719	-0.01	10.8289
180	173	179	1.8057	1.5643	0.0007	3.3708	9.0809	1.7247	-0.0112	10.7945
181	186	181	1.7922	1.5618	0.0007	3.3547	9.0586	1.7218	-0.013	10.7674
182	188	183	1.781	1.5601	0.0008	3.3419	9.013	1.7261	-0.013	10.7262
183	180	184	1.7658	1.557	0.0006	3.3234	8.9797	1.7221	-0.0127	10.6892
184	188	186	1.7526	1.5553	0.0003	3.3082	8.9492	1.722	-0.0111	10.6601
185	185	188	1.7377	1.553	0.0004	3.2911	8.9319	1.7238	-0.0116	10.644
186	194	189	1.7257	1.5507	0.0004	3.2768	8.9162	1.72	-0.013	10.6232
187	193	191	1.7149	1.5488	0.0004	3.2642	8.8759	1.7064	-0.013	10.5693
188	195	192	1.7049	1.5473	0.0003	3.2525	8.8225	1.711	-0.0122	10.5213
189	194	194	1.6928	1.5459	0.0002	3.2388	8.7985	1.7164	-0.0129	10.502
190	196	195	1.6817	1.5443	0.0003	3.2262	8.7571	1.7078	-0.012	10.4529
191	197	196	1.6708	1.5422	0.0003	3.2134	8.7312	1.7074	-0.0106	10.428
192	190	197	1.6582	1.5409	0.0002	3.1994	8.6672	1.7064	-0.0071	10.3666
193	197	198	1.6486	1.5395	0.0005	3.1886	8.6111	1.71	-0.0071	10.314
194	204	199	1.6383	1.5382	0.0003	3.1769	8.5375	1.7046	-0.0063	10.2358
195	201	200	1.6256	1.536	0.0002	3.1618	8.4338	1.7022	-0.004	10.132
196	205	200	1.6157	1.5335	0.0001	3.1493	8.3271	1.7011	-0.0012	10.027
197	210	201	1.6042	1.5311	0.0002	3.1355	8.2288	1.6964	0.002	9.9271
198	206	202	1.5946	1.5289	0.0003	3.1238	8.1458	1.6867	0.0023	9.8349
199	197	202	1.5831	1.5275	0.0001	3.1107	8.0355	1.6823	-0.0005	9.7174
200	202	202	1.5733	1.5256	0	3.099	7.9437	1.675	-0.0046	9.6141
201	202	202	1.5646	1.5233	0.0001	3.088	7.8896	1.673	-0.005	9.5576
202	207	202	1.5562	1.522	0	3.0782	7.8184	1.6657	-0.005	9.4792
203	207	202	1.5466	1.5205	0	3.0671	7.7236	1.662	-0.0027	9.3828
204	200	201	1.5385	1.5186	0.0002	3.0572	7.6455	1.6556	-0.0072	9.2939
205	207	199	1.5303	1.5173	0.0002	3.0478	7.5541	1.6583	-0.003	9.2093
206	206	198	1.5255	1.5152	0.0004	3.0411	7.4608	1.6568	-0.0014	9.1162
207	210	197	1.5166	1.5132	0.0002	3.0299	7.3544	1.6511	-0.0011	9.0044
208	197	196	1.5127	1.5107	0.0001	3.0235	7.2516	1.6479	-0.0017	8.8977
209	193	195	1.5067	1.5094	-0.0001	3.016	7.1489	1.6516	-0.0018	8.7988
210	195	193	1.501	1.5074	-0.0002	3.0082	7.0942	1.651	-0.0002	8.745
211	198	192	1.496	1.5052	-0.0003	3.0009	7.0845	1.6436	-0.0008	8.7273
212	185	190	1.4904	1.5032	-0.0004	2.9933	7.0577	1.6387	0.0008	8.6972
213	184	188	1.4839	1.5018	-0.0004	2.9852	6.9778	1.6307	0.0011	8.6096

214	177	186	1.4748	1.4999	-0.0003	2.9745	6.9183	1.626	0.0051	8.5494
215	185	184	1.4681	1.4976	-0.0003	2.9655	6.858	1.6228	0.0067	8.4874
216	185	182	1.4597	1.4957	-0.0005	2.9549	6.7866	1.6185	0.0093	8.4144
217	184	180	1.4515	1.4944	-0.0004	2.9454	6.7138	1.6154	0.0096	8.3388
218	180	178	1.445	1.4925	-0.0002	2.9373	6.5991	1.609	0.0085	8.2166
219	177	176	1.4368	1.4913	-0.0002	2.9279	6.475	1.6016	0.0078	8.0844
220	170	174	1.4301	1.4899	-0.0002	2.9198	6.3308	1.5946	0.0065	7.932
221	169	171	1.4237	1.4884	-0.0001	2.912	6.1771	1.595	0.0054	7.7775
222	173	170	1.4163	1.4869	0	2.9033	6.0637	1.5987	0.005	7.6674
223	170	168	1.4115	1.4856	0	2.8971	5.9207	1.5954	0.0041	7.5201
224	166	166	1.4083	1.4842	0.0001	2.8926	5.8074	1.5943	0.0059	7.4076
225	164	163	1.4055	1.4826	0	2.8881	5.7295	1.5854	0.0092	7.3241
226	164	161	1.4024	1.4808	0	2.8832	5.6599	1.5752	0.013	7.2481
227	164	158	1.3995	1.4791	0	2.8786	5.5626	1.5662	0.0124	7.1412
228	159	155	1.3951	1.4783	-0.0001	2.8733	5.466	1.5542	0.0174	7.0376
229	150	152	1.3898	1.477	-0.0001	2.8666	5.3891	1.5596	0.017	6.9658
230	152	150	1.3845	1.4759	0	2.8604	5.2979	1.5517	0.0164	6.8661
231	151	147	1.3818	1.4743	0.0001	2.8562	5.2062	1.5456	0.0178	6.7696
232	143	144	1.379	1.4731	0	2.852	5.0881	1.5367	0.0203	6.6451
233	141	142	1.3758	1.4714	-0.0001	2.847	4.9978	1.5302	0.0235	6.5515
234	139	139	1.3712	1.4698	-0.0001	2.8409	4.8896	1.5081	0.0221	6.4198
235	132	137	1.3656	1.4684	0	2.834	4.7797	1.5029	0.0199	6.3025
236	133	134	1.3619	1.4672	0.0001	2.8292	4.6662	1.4842	0.0201	6.1704
237	131	131	1.3583	1.4655	0	2.8238	4.5831	1.4663	0.0192	6.0687
238	123	129	1.3539	1.4635	0	2.8174	4.4878	1.4502	0.0153	5.9534
239	126	126	1.35	1.4621	-0.0001	2.812	4.4093	1.4412	0.013	5.8635
240	117	124	1.3454	1.4605	-0.0001	2.8058	4.2957	1.4355	0.0143	5.7455
241	117	121	1.343	1.459	-0.0004	2.8015	4.1819	1.4263	0.0169	5.6251
242	125	118	1.341	1.457	-0.0007	2.7974	4.0676	1.4158	0.0188	5.5023
243	117	116	1.3408	1.4556	-0.0009	2.7956	3.9457	1.4144	0.0177	5.3778
244	111	114	1.341	1.4537	-0.001	2.7937	3.8629	1.4123	0.0202	5.2954
245	112	112	1.3417	1.4516	-0.0011	2.7922	3.7748	1.4097	0.0199	5.2044
246	112	110	1.3415	1.4498	-0.0012	2.7901	3.6517	1.3981	0.0181	5.0679
247	110	108	1.3407	1.4486	-0.0009	2.7884	3.555	1.384	0.0134	4.9524
248	107	106	1.3405	1.4479	-0.0004	2.7881	3.4411	1.3715	0.0166	4.8292
249	101	104	1.3374	1.4466	-0.0002	2.7838	3.3494	1.3521	0.0261	4.7276
250	99.2	102	1.3332	1.446	-0.0001	2.779	3.2561	1.3438	0.0236	4.6235

251	95.5	99.9	1.33	1.4452	0.0002	2.7754	3.1703	1.3353	0.0237	4.5293
252	94.9	97.5	1.3274	1.4443	0.0001	2.7718	3.0873	1.3287	0.0247	4.4407
253	99.8	95.7	1.3269	1.4433	0.0004	2.7705	3.0119	1.3294	0.0231	4.3644
254	95.4	94.2	1.3263	1.4421	0.0001	2.7685	2.9288	1.3308	0.0242	4.2838
255	92.3	92.4	1.3255	1.4414	-0.0001	2.7668	2.854	1.3269	0.0261	4.207
256	89.2	90.6	1.3236	1.4406	-0.0001	2.7641	2.7708	1.3285	0.0253	4.1246
257	87.8	88.9	1.3222	1.4396	0	2.7618	2.7316	1.3265	0.0262	4.0842
258	83.8	87.4	1.3216	1.4381	0.0002	2.7599	2.65	1.3257	0.0187	3.9944
259	83.7	86	1.32	1.437	0	2.757	2.6113	1.3128	0.0138	3.9378
260	80.9	84.6	1.3135	1.4362	-0.0001	2.7496	2.5583	1.3072	0.01	3.8755
261	80.5	83.4	1.3079	1.4348	-0.0002	2.7426	2.5181	1.2943	0.0094	3.8218
262	81.9	82.2	1.3047	1.4343	-0.0001	2.7388	2.4816	1.2785	0.0094	3.7696
263	83.2	80.7	1.2996	1.4329	-0.0003	2.7322	2.4422	1.2669	0.0104	3.7195
264	77.6	79.3	1.2975	1.4309	-0.0003	2.7281	2.3902	1.2636	0.01	3.6638
265	77	78.2	1.2953	1.4301	-0.0002	2.7252	2.3064	1.2547	0.0126	3.5737
266	79	77.1	1.294	1.4286	-0.0002	2.7224	2.2421	1.2422	0.0165	3.5009
267	76.8	76	1.2938	1.4274	-0.0002	2.721	2.1634	1.2365	0.0189	3.4188
268	75.7	75.2	1.2932	1.4265	-0.0002	2.7194	2.0908	1.2416	0.0203	3.3527
269	72.4	74.1	1.2921	1.4253	-0.0003	2.7171	2.0394	1.2313	0.0205	3.2912
270	72	73.1	1.2915	1.4237	-0.0003	2.7149	1.9641	1.2234	0.0175	3.205
271	72.5	72.1	1.2915	1.4221	-0.0003	2.7134	1.9154	1.2143	0.0182	3.1479
272	72.4	71.1	1.2907	1.4208	-0.0003	2.7112	1.8598	1.2009	0.0194	3.0801
273	67.9	70	1.2909	1.4194	-0.0004	2.7099	1.8054	1.1904	0.0214	3.0172
274	71.5	69	1.2905	1.4181	-0.0004	2.7083	1.7752	1.1868	0.0219	2.9839
275	67.7	68.3	1.2892	1.4172	-0.0006	2.7058	1.7472	1.1789	0.0233	2.9494
276	67.3	67.2	1.29	1.4156	-0.0004	2.7052	1.7123	1.1734	0.0235	2.9092
277	67.9	66.5	1.2899	1.4145	-0.0006	2.7037	1.6779	1.1672	0.025	2.8701
278	63.5	65.7	1.2873	1.4127	-0.0006	2.6994	1.6535	1.1632	0.0268	2.8435
279	62.7	65.1	1.2865	1.4115	-0.0008	2.6973	1.6201	1.1674	0.0283	2.8158
280	61.3	64.5	1.2851	1.4098	-0.001	2.6938	1.5644	1.1678	0.0283	2.7606
281	62.5	63.7	1.2834	1.4082	-0.0013	2.6902	1.5117	1.1712	0.03	2.7128
282	61.6	63	1.2813	1.4071	-0.0016	2.6868	1.4877	1.1692	0.0307	2.6876
283	59.3	62.5	1.2769	1.4061	-0.0016	2.6814	1.4646	1.1701	0.0287	2.6633
284	63.3	61.8	1.2747	1.405	-0.0017	2.678	1.4563	1.165	0.0277	2.649
285	59.2	61.2	1.2711	1.4046	-0.0016	2.674	1.4206	1.1605	0.0301	2.6112
286	63.3	60.7	1.2674	1.404	-0.0015	2.6699	1.384	1.1584	0.0313	2.5737
287	59	60.1	1.2661	1.4038	-0.0011	2.6688	1.3656	1.1613	0.0331	2.56

288	61.1	59.7	1.264	1.4032	-0.001	2.6661	1.3399	1.1523	0.0336	2.5258
289	60.8	59.5	1.2632	1.4023	-0.0012	2.6643	1.2987	1.1444	0.034	2.4771
290	57.5	59.4	1.2635	1.4016	-0.0014	2.6637	1.2552	1.1442	0.0336	2.433
291	59	59.1	1.264	1.4006	-0.0015	2.6631	1.2062	1.1434	0.0358	2.3854
292	59.3	58.9	1.2636	1.3995	-0.0015	2.6616	1.1832	1.1409	0.036	2.3601
293	57.6	58.7	1.2623	1.3983	-0.0016	2.659	1.165	1.1333	0.0353	2.3337
294	56.4	58.4	1.2608	1.3972	-0.0017	2.6564	1.1727	1.1297	0.0304	2.3328
295	57.9	58.3	1.2604	1.3962	-0.0016	2.655	1.2056	1.1231	0.0172	2.3458
296	56.7	57.9	1.2602	1.3951	-0.0012	2.6541	1.2212	1.1125	0.0085	2.3422
297	55.4	57.6	1.2601	1.3939	-0.0014	2.6526	1.2263	1.1049	0.0109	2.3422
298	59.4	57.2	1.2596	1.3937	-0.0023	2.651	1.22	1.1019	0.015	2.3369
299	58.5	56.8	1.2575	1.3931	-0.0023	2.6483	1.2245	1.1065	0.02	2.351
300	58.5	56.6	1.2563	1.3921	-0.0023	2.6461	1.2009	1.109	0.0234	2.3333
301	56.3	56.4	1.2558	1.3905	-0.0024	2.644	1.1682	1.1147	0.025	2.3079
302	56.7	56.1	1.2551	1.3891	-0.0023	2.6418	1.1479	1.1181	0.0273	2.2933
303	57.5	56	1.2537	1.3874	-0.0024	2.6387	1.1318	1.1212	0.0249	2.2779
304	56.7	55.9	1.2531	1.3859	-0.0024	2.6365	1.1412	1.1173	0.0259	2.2844
305	55.4	55.7	1.2532	1.3845	-0.0023	2.6354	1.1407	1.1249	0.023	2.2886
306	54.1	55.6	1.2523	1.3826	-0.0022	2.6327	1.1365	1.1321	0.0204	2.289
307	52.7	55.7	1.2516	1.3806	-0.0017	2.6305	1.1262	1.1419	0.0204	2.2886
308	53.8	55.6	1.2516	1.3794	-0.0013	2.6297	1.129	1.1403	0.02	2.2894
309	53.8	55.4	1.2508	1.3787	-0.0011	2.6284	1.1352	1.1403	0.0207	2.2962
310	54.2	55.2	1.2491	1.378	-0.0011	2.626	1.1214	1.1325	0.0205	2.2745
311	54.1	54.9	1.2479	1.3773	-0.0012	2.6239	1.0596	1.1343	0.0207	2.2147
312	55.3	54.7	1.2462	1.3765	-0.0014	2.6213	1.0095	1.1375	0.0185	2.1656
313	54.3	54.5	1.2448	1.3754	-0.0014	2.6188	0.9933	1.1459	0.0214	2.1605
314	54.5	54.5	1.2441	1.3745	-0.0015	2.6171	0.962	1.1399	0.0231	2.125
315	55.8	54.4	1.2439	1.3734	-0.0019	2.6154	0.9515	1.1268	0.0241	2.1025
316	57.5	54.5	1.2434	1.372	-0.0024	2.613	0.9464	1.1284	0.0259	2.1007
317	56.7	54.7	1.2424	1.3702	-0.0024	2.6102	0.9387	1.1283	0.026	2.093
318	54.9	54.7	1.241	1.3694	-0.0023	2.6081	0.9473	1.123	0.0281	2.0985
319	54.2	54.6	1.2404	1.369	-0.0019	2.6074	0.9543	1.1305	0.031	2.1158
320	51.5	54.4	1.2386	1.3685	-0.002	2.605	0.9497	1.129	0.0321	2.1108
321	52.5	54.4	1.2377	1.3683	-0.002	2.604	0.9457	1.123	0.0303	2.0991
322	54.3	54.3	1.2358	1.3679	-0.0021	2.6015	0.9499	1.1203	0.0297	2.1
323	55.9	54.1	1.234	1.3669	-0.0021	2.5988	0.9464	1.1181	0.0257	2.0901
324	54.3	54	1.2336	1.3663	-0.0023	2.5976	0.9585	1.1088	0.0192	2.0865

325	55.3	53.8	1.2343	1.3652	-0.0023	2.5972	0.9615	1.1057	0.0174	2.0846
326	55.9	53.5	1.2346	1.3641	-0.0025	2.5962	0.969	1.1055	0.0178	2.0922
327	53.9	53.3	1.2341	1.3628	-0.0027	2.5942	1.0067	1.0951	-0.0111	2.0906
328	52	53.2	1.2331	1.3615	-0.0029	2.5917	1.023	1.0937	-0.022	2.0947
329	51.6	53	1.2333	1.3602	-0.0029	2.5906	1.0014	1.094	-0.0202	2.0751
330	52.9	52.9	1.2333	1.3588	-0.003	2.5891	0.9971	1.0931	-0.0178	2.0725
331	53.5	52.9	1.233	1.3574	-0.003	2.5874	0.9886	1.0897	-0.0225	2.0557
332	50.3	52.7	1.2325	1.3561	-0.0029	2.5857	0.9845	1.0847	-0.0266	2.0427
333	52	52.3	1.2301	1.3549	-0.0029	2.5821	0.9845	1.0806	-0.0325	2.0326
334	52.3	52.1	1.2292	1.3537	-0.0031	2.5798	0.95	1.0837	-0.0405	1.9932
335	52.6	51.9	1.2272	1.3526	-0.0031	2.5766	0.9381	1.0807	-0.0429	1.976
336	53	51.8	1.2253	1.3511	-0.0032	2.5732	0.9206	1.0852	-0.0431	1.9627
337	53	51.6	1.2243	1.3502	-0.0033	2.5712	0.8971	1.08	-0.0451	1.932
338	49.2	51.6	1.224	1.3491	-0.0034	2.5697	0.8882	1.0762	-0.0416	1.9228
339	50.8	51.5	1.2245	1.3477	-0.0035	2.5687	0.8717	1.074	-0.0383	1.9073
340	51.5	51.4	1.2248	1.3462	-0.0037	2.5673	0.8662	1.0748	-0.0369	1.9041
341	50.4	51.3	1.2246	1.3449	-0.004	2.5655	0.869	1.0779	-0.0375	1.9094
342	49.8	51.3	1.2245	1.3437	-0.0042	2.564	0.883	1.0763	-0.0371	1.9222
343	49.8	51.3	1.2235	1.3427	-0.0039	2.5623	0.8839	1.0766	-0.0373	1.9233
344	51.5	51.1	1.2205	1.3414	-0.0028	2.5591	0.8761	1.0735	-0.0349	1.9148
345	53.2	51	1.2196	1.3403	-0.0019	2.558	0.8725	1.0741	-0.0338	1.9128
346	50.6	50.8	1.2189	1.3393	-0.0023	2.5559	0.8701	1.0701	-0.0363	1.9039
347	51.9	50.8	1.2187	1.3384	-0.0024	2.5547	0.881	1.0649	-0.0329	1.913
348	50.2	50.8	1.218	1.3373	-0.0024	2.553	0.9064	1.0596	-0.0341	1.932
349	50.5	50.8	1.2173	1.3357	-0.0025	2.5505	0.9259	1.064	-0.0446	1.9453
350	51.7	50.9	1.2164	1.3345	-0.0026	2.5483	0.926	1.0638	-0.0445	1.9454
351	51.5	50.9	1.2152	1.3334	-0.0025	2.546	0.9285	1.0584	-0.0458	1.9412
352	51.2	50.9	1.2143	1.3322	-0.0024	2.544	0.9324	1.0492	-0.0479	1.9337
353	49	50.9	1.2128	1.3315	-0.0022	2.5421	0.9424	1.0397	-0.0491	1.933
354	50.2	50.7	1.2122	1.3296	-0.0022	2.5397	0.9375	1.0284	-0.0481	1.9179
355	49.4	50.5	1.2119	1.3281	-0.0021	2.5379	0.9263	1.0247	-0.0465	1.9044
356	51.9	50.5	1.211	1.3264	-0.0021	2.5353	0.9402	1.0162	-0.0453	1.9111
357	49.3	50.3	1.2093	1.3256	-0.002	2.5328	0.9589	1.0012	-0.0433	1.9167
358	52.4	50.2	1.2081	1.3241	-0.0019	2.5303	0.9492	0.9925	-0.039	1.9027
359	51.8	50.3	1.2078	1.3237	-0.002	2.5295	0.9539	0.9907	-0.0349	1.9097
360	51.5	50.3	1.2075	1.3227	-0.0022	2.5281	0.9563	1.0024	-0.0276	1.9311
361	49.3	50.3	1.207	1.3211	-0.002	2.526	0.9453	1.0058	-0.0234	1.9277

362	49.6	50.3	1.2053	1.3197	-0.0022	2.5228	0.927	1.0108	-0.0198	1.9181
363	48.4	50.4	1.2034	1.3189	-0.0026	2.5197	0.9075	1.0158	-0.019	1.9042
364	48.2	50.4	1.2023	1.3182	-0.0027	2.5178	0.894	1.0182	-0.0169	1.8953
365	50.5	50.4	1.2007	1.3173	-0.0028	2.5152	0.888	1.0222	-0.0148	1.8954
366	48.5	50.3	1.2001	1.3158	-0.0028	2.5131	0.9127	1.0234	-0.0304	1.9057
367	49.7	50.3	1.1991	1.3151	-0.003	2.5111	0.9169	1.022	-0.0491	1.8898
368	50.6	50.2	1.1977	1.3134	-0.0033	2.5078	0.9081	1.009	-0.0501	1.867
369	52.2	50.1	1.1972	1.3124	-0.0036	2.506	0.8997	1.0076	-0.0433	1.8639
370	52	50	1.1969	1.3114	-0.0034	2.5049	0.9017	1.0169	-0.0368	1.8818
371	51.2	50	1.1965	1.3101	-0.0033	2.5034	0.8913	1.017	-0.0391	1.8691
372	50.6	49.9	1.1961	1.309	-0.0029	2.5022	0.8901	1.0254	-0.0391	1.8763
373	51	49.9	1.195	1.3085	-0.0023	2.5012	0.8781	1.0239	-0.037	1.865
374	49.3	49.9	1.1944	1.3076	-0.0021	2.4998	0.8674	1.0218	-0.037	1.8522
375	49.2	50	1.1923	1.3067	-0.0024	2.4966	0.8717	1.0252	-0.0392	1.8577
376	50	50.1	1.1893	1.3061	0.0007	2.4961	0.892	1.0224	-0.0435	1.8709
377	50.7	50.1	1.1876	1.3051	0.0016	2.4943	0.9047	1.0175	-0.045	1.8773
378	49.9	50	1.1871	1.3033	0.0014	2.4918	0.9082	1.0135	-0.0465	1.8751
379	49.6	49.9	1.1868	1.3022	0.001	2.49	0.908	1.0052	-0.0502	1.8631
380	49.2	49.8	1.1863	1.3008	0.0012	2.4883	0.9173	0.9994	-0.0468	1.8699
381	47	49.7	1.1849	1.2997	0.0013	2.4859	0.9241	0.9988	-0.043	1.8799
382	48.1	49.6	1.1828	1.299	0.0017	2.4835	0.9307	0.9933	-0.041	1.883
383	49.4	49.4	1.1819	1.2978	0.0025	2.4821	0.9342	0.9811	-0.0389	1.8764
384	51.4	49.3	1.1809	1.2969	0.0026	2.4804	0.9144	0.9709	-0.0371	1.8482
385	50.2	49.1	1.179	1.296	0.0027	2.4778	0.9131	0.9677	-0.0382	1.8426
386	49.5	49	1.1777	1.296	0.003	2.4768	0.8994	0.9662	-0.0396	1.826
387	50.2	48.7	1.1773	1.2962	0.0031	2.4765	0.8877	0.9574	-0.0402	1.8049
388	48.9	48.6	1.1768	1.2958	0.0028	2.4754	0.8848	0.9539	-0.0404	1.7983
389	50.6	48.6	1.1766	1.2948	0.0025	2.4739	0.8873	0.9488	-0.0409	1.7953
390	49.3	48.6	1.1766	1.2939	0.0024	2.4728	0.9002	0.948	-0.0419	1.8063
391	49.3	48.6	1.1757	1.293	0.0022	2.4709	0.9195	0.9374	-0.0474	1.8095
392	46.4	48.5	1.1752	1.2918	0.0022	2.4692	0.93	0.9243	-0.0505	1.8039
393	47.1	48.4	1.1747	1.2909	0.0019	2.4676	0.9554	0.9124	-0.0481	1.8196
394	46.9	48.1	1.1736	1.2898	0.0017	2.4651	0.9654	0.9065	-0.0452	1.8267
395	46.4	47.8	1.1734	1.2892	0.002	2.4646	0.94	0.9037	-0.037	1.8068
396	45.8	47.5	1.1721	1.2886	0.0021	2.4628	0.9433	0.9023	-0.0313	1.8143
397	48.6	47.3	1.1695	1.288	0.002	2.4594	0.9475	0.897	-0.033	1.8115
398	48.7	47.1	1.1671	1.2873	0.0022	2.4565	0.969	0.8994	-0.0303	1.8382

399	48.8	46.8	1.1649	1.2867	0.0021	2.4538	0.9788	0.8996	-0.0279	1.8506
400	47.1	46.7	1.1635	1.2863	0.0023	2.452	0.9765	0.8985	-0.0249	1.85
401	47.2	46.5	1.1626	1.2856	0.0024	2.4506	0.9687	0.8981	-0.0203	1.8465
402	47.6	46.5	1.1608	1.2851	0.0026	2.4485	0.9659	0.8992	-0.0218	1.8434
403	45	46.5	1.16	1.2846	0.0024	2.4469	0.9732	0.8989	-0.024	1.8481
404	44.7	46.4	1.1604	1.2834	0.0022	2.446	0.9792	0.8982	-0.0272	1.8501
405	44.6	46.2	1.1592	1.2829	0.0022	2.4443	0.9881	0.8844	-0.0262	1.8463
406	45	46.1	1.1564	1.2825	0.0021	2.441	1.0049	0.8829	-0.022	1.8658
407	45.9	45.9	1.1567	1.2814	0.0022	2.4402	1.0027	0.8793	-0.0197	1.8623
408	45.5	45.6	1.1562	1.2803	0.0022	2.4387	0.9988	0.8818	-0.0166	1.864
409	46.3	45.4	1.1552	1.2785	0.0017	2.4353	0.996	0.8787	-0.0139	1.8607
410	46	45.3	1.1546	1.2774	0.0012	2.4332	1.003	0.8882	-0.0128	1.8784
411	45.9	45.2	1.1552	1.2762	0.0007	2.4321	1.0058	0.8903	-0.0156	1.8805
412	47.1	45	1.1555	1.2749	0.0005	2.4309	1.0061	0.8783	-0.015	1.8694
413	45	44.9	1.1554	1.2736	0.0003	2.4293	0.988	0.8694	-0.0144	1.843
414	43.5	44.8	1.1553	1.2722	0	2.4275	0.9617	0.8669	-0.0147	1.8139
415	43.5	44.7	1.1526	1.2711	0.0011	2.4248	0.9516	0.8653	-0.0118	1.8051
416	44.1	44.7	1.1517	1.2698	0.0025	2.4241	0.9553	0.8606	-0.0128	1.8031
417	42.9	44.5	1.1516	1.2693	0.0026	2.4235	0.9742	0.8531	-0.013	1.8144
418	45.6	44.3	1.1511	1.2686	0.0021	2.4217	0.97	0.8486	-0.0183	1.8003
419	45.6	44.1	1.1502	1.2673	0.0017	2.4192	0.9656	0.8347	-0.0244	1.7759
420	45	43.9	1.1494	1.2668	0.0019	2.4181	0.9697	0.8244	-0.0263	1.7677
421	44.1	43.7	1.1487	1.2658	0.0019	2.4164	0.9741	0.8165	-0.0244	1.7662
422	43.3	43.4	1.148	1.2655	0.0016	2.415	0.9774	0.8092	-0.0241	1.7625
423	41.8	43.3	1.1472	1.2648	0.0016	2.4135	0.991	0.8094	-0.0164	1.784
424	43.4	43.1	1.1465	1.2638	0.0016	2.4119	0.9884	0.8142	-0.0074	1.7951
425	44.1	43	1.1451	1.263	0.002	2.4101	0.9926	0.8173	-0.0078	1.8021
426	43.4	42.9	1.1441	1.2623	0.002	2.4084	0.9816	0.8148	-0.0117	1.7846
427	40.9	42.9	1.1433	1.2614	0.002	2.4067	0.9579	0.8092	0.0209	1.788
428	43.1	42.6	1.1423	1.261	0.0021	2.4054	0.9442	0.7999	0.031	1.7751
429	42	42.3	1.1416	1.2603	0.0018	2.4036	0.9404	0.7875	0.0292	1.7571
430	41.2	42.2	1.1409	1.2589	0.0013	2.4011	0.9344	0.7811	0.0252	1.7407
431	42.2	42.1	1.14	1.258	0.0011	2.3991	0.9296	0.7726	0.0291	1.7313
432	42.4	42	1.1391	1.2579	0.001	2.398	0.9195	0.7674	0.0344	1.7213
433	40.6	42	1.1387	1.2578	0.0008	2.3973	0.9043	0.7713	0.039	1.7146
434	41.5	41.8	1.1379	1.2569	0.0007	2.3955	0.905	0.7668	0.0472	1.7191
435	42.8	41.6	1.1372	1.256	0.0008	2.394	0.898	0.7705	0.0495	1.718

436	41.7	41.4	1.1366	1.2554	0.0008	2.3927	0.8784	0.7685	0.0542	1.7011
437	40.6	41.4	1.1359	1.2549	0.0007	2.3914	0.8637	0.7776	0.0613	1.7026
438	40.4	41.1	1.1353	1.2542	0.0007	2.3902	0.864	0.7899	0.0637	1.7176
439	41.6	40.9	1.1344	1.2529	0.0007	2.3881	0.8661	0.7923	0.0594	1.7177
440	42.3	40.8	1.1328	1.2525	0.001	2.3863	0.8664	0.7885	0.0575	1.7124
441	41.5	40.7	1.1316	1.2525	0.001	2.3851	0.8722	0.7852	0.0625	1.7198
442	42.3	40.6	1.129	1.2525	0.0006	2.382	0.8687	0.7879	0.0627	1.7192
443	40.3	40.5	1.127	1.252	0.0006	2.3796	0.8705	0.79	0.0655	1.726
444	39.7	40.4	1.1265	1.251	0.0009	2.3784	0.8701	0.7892	0.0632	1.7225
445	39.6	40.2	1.1253	1.2501	0.0012	2.3766	0.8655	0.7901	0.063	1.7186
446	40.2	40.1	1.1241	1.2496	0.001	2.3747	0.8764	0.7887	0.0663	1.7315
447	38.7	40	1.1218	1.2484	0.0007	2.3709	0.867	0.7942	0.0684	1.7296
448	38	40	1.1202	1.2473	0.0004	2.3679	0.8426	0.7999	0.0668	1.7094
449	39.5	39.8	1.1197	1.2458	-0.0001	2.3655	0.8181	0.8026	0.0717	1.6924
450	39.8	39.7	1.1195	1.2447	-0.0006	2.3636	0.8007	0.8033	0.0783	1.6824
451	40.1	39.7	1.1186	1.2435	-0.0004	2.3617	0.7944	0.8054	0.081	1.6807
452	38.6	39.4	1.1169	1.2423	0	2.3592	0.7956	0.8036	0.0822	1.6814
453	40.6	39.3	1.1149	1.2417	0.0005	2.3571	0.7928	0.8105	0.0852	1.6886
454	38	39.2	1.1134	1.2412	0.0004	2.355	0.8052	0.8157	0.0853	1.7061
455	40.2	39	1.1114	1.2399	0.0001	2.3514	0.8224	0.8109	0.0841	1.7174
456	39	38.9	1.1107	1.2385	-0.0001	2.349	0.8121	0.812	0.086	1.7102
457	39.3	38.8	1.1094	1.2374	-0.0003	2.3464	0.7984	0.8158	0.0843	1.6985
458	38.6	38.6	1.1085	1.2362	-0.0005	2.3442	0.8235	0.8017	0.0868	1.7121
459	41	38.5	1.1075	1.2349	-0.0007	2.3417	0.83	0.8016	0.0832	1.7149
460	40.1	38.4	1.107	1.2337	-0.0006	2.3401	0.8229	0.79	0.0719	1.6848
461	38.1	38.2	1.1063	1.2333	-0.0005	2.3391	0.8202	0.7811	0.0647	1.666
462	38.2	38	1.1065	1.2328	-0.0008	2.3385	0.8369	0.7704	0.0604	1.6677
463	36.9	37.7	1.1072	1.2322	-0.0011	2.3383	0.8558	0.7593	0.0592	1.6743
464	36.1	37.6	1.1072	1.2317	-0.0015	2.3373	0.8738	0.7468	0.06	1.6806
465	38.2	37.5	1.1052	1.2312	-0.0015	2.3349	0.8845	0.7418	0.0593	1.6856
466	35.9	37.4	1.1027	1.2305	-0.0015	2.3317	0.8726	0.7421	0.0719	1.6867
467	35.8	37.2	1.102	1.2302	-0.0012	2.3311	0.8776	0.7315	0.0845	1.6936
468	36.2	37.1	1.1012	1.23	-0.0009	2.3302	0.887	0.7257	0.085	1.6976
469	37.8	36.8	1.1002	1.23	-0.0009	2.3293	0.8888	0.7198	0.0854	1.6939
470	36.3	36.7	1.0995	1.2298	-0.0009	2.3283	0.8955	0.7135	0.0862	1.6951
471	36	36.5	1.0988	1.2292	-0.0009	2.3271	0.8932	0.723	0.0915	1.7078
472	35.3	36.4	1.097	1.2281	-0.0012	2.3238	0.8825	0.7169	0.0921	1.6915

473	36	36.4	1.0962	1.2271	-0.0016	2.3217	0.875	0.7176	0.089	1.6815
474	37.2	36.3	1.0951	1.2258	-0.0014	2.3196	0.8741	0.717	0.0886	1.6797
475	36.7	36.1	1.0942	1.2252	-0.0012	2.3182	0.8721	0.7202	0.0895	1.6818
476	36.9	36.1	1.0935	1.2252	-0.0014	2.3173	0.8647	0.7214	0.0955	1.6815
477	35.8	36.1	1.0931	1.2251	-0.0015	2.3167	0.8655	0.7144	0.0975	1.6774
478	36.5	36	1.0931	1.2245	-0.0015	2.3161	0.8664	0.7096	0.1012	1.6772
479	36.6	35.9	1.0934	1.2241	-0.0015	2.316	0.8601	0.7212	0.1049	1.6862
480	35.6	35.9	1.0933	1.2235	-0.0017	2.3151	0.852	0.7306	0.1028	1.6853
481	36.6	36	1.093	1.2229	-0.0021	2.3138	0.8429	0.7219	0.0998	1.6646
482	35.5	36.1	1.0924	1.2219	-0.0022	2.312	0.8364	0.719	0.098	1.6534
483	34.7	36.2	1.0914	1.2211	-0.0023	2.3102	0.8297	0.7208	0.0978	1.6483
484	35.3	36.2	1.0911	1.2199	-0.0023	2.3086	0.8279	0.7276	0.0978	1.6532
485	35.4	36.2	1.0912	1.2192	-0.0027	2.3076	0.8356	0.7232	0.0991	1.658
486	35.3	36.1	1.0913	1.2183	-0.0031	2.3065	0.8276	0.7242	0.0983	1.6501
487	35.1	36.1	1.0909	1.2172	-0.0033	2.3048	0.8248	0.7262	0.0983	1.6492
488	35.2	36	1.0902	1.2165	-0.0031	2.3036	0.8229	0.7267	0.0999	1.6495
489	36.7	36	1.0899	1.216	-0.0033	2.3026	0.8193	0.7247	0.1031	1.6471
490	37	36	1.0894	1.2153	-0.0039	2.3008	0.8109	0.7193	0.1063	1.6365
491	38.2	35.9	1.0889	1.2142	-0.0041	2.299	0.8065	0.723	0.1073	1.6368
492	37.6	35.8	1.0882	1.2128	-0.0044	2.2966	0.8045	0.7312	0.1024	1.638
493	38	35.8	1.0877	1.212	-0.0044	2.2953	0.7887	0.7332	0.095	1.6169
494	35.9	35.8	1.0871	1.2108	-0.0046	2.2933	0.7788	0.7305	0.0975	1.6069
495	35.8	35.7	1.0858	1.2103	-0.0046	2.2915	0.7848	0.7282	0.1023	1.6153
496	34.2	35.6	1.0854	1.2092	-0.0048	2.2898	0.7948	0.7156	0.1068	1.6173
497	36.2	35.5	1.0852	1.208	-0.0047	2.2885	0.789	0.7143	0.1039	1.6072
498	35.2	35.3	1.0852	1.207	-0.005	2.2873	0.7889	0.7031	0.0844	1.5763
499	35.4	35	1.0849	1.2064	-0.0057	2.2856	0.7792	0.6974	0.0862	1.5629
500	35.7	34.6	1.084	1.2057	-0.0058	2.2839	0.7848	0.6862	0.0833	1.5543
501	34.1	34.1	1.083	1.2052	-0.0058	2.2824	0.7903	0.6806	0.0749	1.5458
502	34.6	33.8	1.0815	1.2041	-0.0059	2.2796	0.7828	0.6745	0.0748	1.5322
503	34.6	33.4	1.0794	1.203	-0.0062	2.2763	0.7716	0.6629	0.0784	1.5129
504	32.9	33.1	1.0782	1.2023	-0.0062	2.2743	0.7508	0.666	0.0853	1.5022
505	34.2	32.8	1.078	1.2016	-0.0064	2.2732	0.7352	0.662	0.0844	1.4816
506	33	32.5	1.0766	1.2009	-0.0063	2.2712	0.7178	0.6481	0.0846	1.4504
507	31.6	32.3	1.0743	1.2012	-0.0065	2.269	0.7255	0.6361	0.077	1.4386
508	30	32	1.0732	1.2002	-0.0061	2.2672	0.7036	0.6263	0.0718	1.4018
509	29.5	31.7	1.0729	1.1995	-0.0055	2.2669	0.6776	0.6163	0.0702	1.3642

510	30.1	31.5	1.0726	1.1993	-0.0052	2.2666	0.6688	0.6024	0.0692	1.3404
511	30.4	31.4	1.0715	1.1992	-0.0053	2.2654	0.672	0.5978	0.07	1.3398
512	31.1	31.2	1.0699	1.199	-0.0054	2.2635	0.6766	0.5977	0.0721	1.3463
513	29.7	31	1.068	1.1989	-0.0057	2.2612	0.6815	0.5991	0.0694	1.35
514	29.9	30.8	1.0669	1.1981	-0.006	2.259	0.6886	0.6003	0.0678	1.3566
515	29.6	30.6	1.0654	1.1969	-0.0061	2.2562	0.6837	0.6011	0.0648	1.3496
516	31.1	30.6	1.064	1.1967	-0.0059	2.2547	0.657	0.6001	0.0664	1.3236
517	29.9	30.7	1.0629	1.1967	-0.0059	2.2537	0.6335	0.5994	0.0688	1.3017
518	30.7	30.8	1.0622	1.1966	-0.0065	2.2523	0.6323	0.6065	0.0741	1.313
519	31.3	31	1.0606	1.196	-0.0069	2.2497	0.6265	0.6108	0.0832	1.3205
520	31.9	31.1	1.0601	1.1945	-0.0072	2.2474	0.6145	0.6253	0.0878	1.3276
521	31.4	31.2	1.0604	1.1941	-0.0073	2.2472	0.6075	0.6306	0.0853	1.3234
522	30.5	31.1	1.0605	1.1937	-0.0073	2.2469	0.6109	0.6297	0.0774	1.318
523	29.9	31.1	1.0598	1.1931	-0.0073	2.2456	0.5951	0.6189	0.0752	1.2892
524	30.8	31.1	1.0592	1.1917	-0.0073	2.2437	0.5922	0.6095	0.0693	1.271
525	32.1	31.2	1.0586	1.1908	-0.0075	2.242	0.5923	0.5947	0.0665	1.2536
526	32.8	31.2	1.0576	1.1909	-0.0078	2.2407	0.5876	0.5872	0.0658	1.2406
527	32.8	31.2	1.0567	1.1905	-0.0081	2.239	0.586	0.5881	0.0642	1.2383
528	32.5	31.2	1.0563	1.1889	-0.0084	2.2368	0.5885	0.5875	0.0664	1.2423
529	32.3	31.1	1.0564	1.1872	-0.0085	2.2351	0.5982	0.5819	0.0685	1.2486
530	31.9	31	1.0566	1.1867	-0.0087	2.2347	0.6144	0.5838	0.0739	1.2722
531	30.4	31	1.0563	1.1861	-0.0087	2.2338	0.6296	0.5809	0.0721	1.2825
532	30	30.9	1.0561	1.1859	-0.0088	2.2332	0.6296	0.5808	0.0709	1.2812
533	29.8	30.9	1.0559	1.185	-0.009	2.2319	0.6242	0.5725	0.069	1.2656
534	30.8	30.8	1.0543	1.1846	-0.0092	2.2297	0.6183	0.5708	0.0703	1.2595
535	30.6	30.7	1.0545	1.1835	-0.009	2.229	0.6176	0.5633	0.0704	1.2513
536	30.7	30.4	1.0541	1.1827	-0.009	2.2278	0.6209	0.5668	0.0701	1.2578
537	29.6	30.2	1.0536	1.1822	-0.0093	2.2265	0.6301	0.5702	0.0694	1.2697
538	29.5	30	1.0533	1.1817	-0.0096	2.2254	0.6329	0.5674	0.07	1.2703
539	30	29.8	1.0533	1.181	-0.0099	2.2244	0.6323	0.5698	0.0712	1.2732
540	31	29.6	1.0522	1.1802	-0.0097	2.2226	0.6399	0.5689	0.0721	1.2809
541	30	29.5	1.0512	1.1793	-0.0092	2.2213	0.6378	0.5673	0.0665	1.2716
542	29.4	29.3	1.0501	1.1791	-0.0089	2.2204	0.636	0.566	0.064	1.2659
543	29.7	29.2	1.0491	1.179	-0.0091	2.2189	0.6373	0.5537	0.0614	1.2523
544	29.4	29	1.048	1.1782	-0.0093	2.2169	0.6383	0.5494	0.061	1.2487
545	26.9	28.8	1.0458	1.1785	-0.0095	2.2148	0.6466	0.5488	0.062	1.2574
546	28.9	28.6	1.0452	1.1782	-0.0094	2.214	0.6436	0.5542	0.0618	1.2596

547	28.4	28.4	1.0429	1.1781	-0.0078	2.2133	0.6386	0.5504	0.0607	1.2497
548	28.6	28.3	1.0422	1.1776	-0.0082	2.2116	0.6305	0.5411	0.0644	1.236
549	27.8	28.1	1.0412	1.1772	-0.0084	2.2101	0.6302	0.5346	0.0639	1.2287
550	28.6	28	1.0405	1.1766	-0.0081	2.209	0.6281	0.533	0.0571	1.2181
551	27.5	27.9	1.0403	1.176	-0.0078	2.2085	0.6255	0.5307	0.0543	1.2105
552	26.9	27.8	1.0398	1.176	-0.0079	2.2079	0.6244	0.5334	0.0547	1.2125
553	27.2	27.7	1.0398	1.1751	-0.008	2.2069	0.6113	0.5298	0.0527	1.1938
554	26.9	27.5	1.0399	1.175	-0.008	2.2069	0.5852	0.5275	0.0495	1.1622
555	26.7	27.5	1.0396	1.1751	-0.0084	2.2063	0.5757	0.5235	0.0509	1.1501
556	26.9	27.3	1.0381	1.1749	-0.0078	2.2052	0.5711	0.5153	0.0519	1.1383
557	26.4	27.2	1.039	1.1747	-0.0075	2.2063	0.5595	0.5155	0.0511	1.1261
558	26.8	27.2	1.0407	1.1746	-0.0075	2.2078	0.5359	0.5273	0.0511	1.1143
559	28.4	27	1.0406	1.1746	-0.0076	2.2076	0.5288	0.5226	0.0541	1.1055
560	28.5	27	1.0398	1.1739	-0.0076	2.2061	0.5266	0.5118	0.0629	1.1012
561	27.6	26.9	1.0387	1.1735	-0.0078	2.2044	0.519	0.5129	0.0696	1.1015
562	27.5	26.9	1.0384	1.1728	-0.0078	2.2035	0.5074	0.5186	0.0693	1.0953
563	26.3	26.9	1.0383	1.1722	-0.0079	2.2026	0.4917	0.5199	0.07	1.0816
564	26.7	27	1.0388	1.1716	-0.008	2.2024	0.4739	0.5227	0.0695	1.0661
565	25.3	27.1	1.0395	1.1712	-0.0082	2.2025	0.4588	0.5201	0.065	1.0439
566	26.3	27.2	1.0393	1.1705	-0.0084	2.2015	0.4422	0.5127	0.0621	1.017
567	27.6	27.2	1.0388	1.1696	-0.0086	2.1998	0.4269	0.5137	0.0646	1.0052
568	25.6	27.2	1.0385	1.1689	-0.0092	2.1982	0.4173	0.5179	0.0655	1.0007
569	26.9	27.2	1.0387	1.1675	-0.0097	2.1965	0.4087	0.5326	0.0627	1.004
570	26.3	27.2	1.0388	1.1667	-0.0095	2.196	0.3885	0.5279	0.0623	0.9786
571	27.4	27.1	1.0377	1.1662	-0.0086	2.1953	0.3838	0.5115	0.0606	0.9558
572	27.7	27.1	1.0375	1.1662	-0.0088	2.1949	0.3851	0.5185	0.063	0.9666
573	27.9	27.1	1.037	1.1661	-0.0085	2.1946	0.3922	0.5221	0.0621	0.9764
574	28.7	27.1	1.0359	1.1663	-0.008	2.1942	0.392	0.5243	0.0633	0.9796
575	28.4	27.2	1.0354	1.1665	-0.0078	2.1941	0.3964	0.5118	0.0653	0.9735
576	26.8	27.2	1.0349	1.1664	-0.0078	2.1935	0.4077	0.5076	0.0646	0.9799
577	27.3	27.3	1.0343	1.1663	-0.0081	2.1925	0.4101	0.5261	0.0647	1.001
578	28.8	27.4	1.0333	1.1663	-0.0084	2.1913	0.4092	0.5311	0.0631	1.0034
579	27.2	27.3	1.0319	1.1657	-0.0089	2.1887	0.4033	0.5201	0.0634	0.9868
580	26.8	27.3	1.0303	1.1655	-0.0089	2.1869	0.407	0.5125	0.0651	0.9846
581	26.5	27.2	1.03	1.1649	-0.0092	2.1857	0.4106	0.5143	0.0659	0.9907
582	27.7	27	1.03	1.1646	-0.0091	2.1855	0.4055	0.5212	0.0695	0.9962
583	26.4	26.9	1.0296	1.164	-0.0093	2.1843	0.3984	0.5192	0.0673	0.9849

584	26.3	26.8	1.0293	1.1636	-0.0094	2.1835	0.4001	0.5215	0.0661	0.9877
585	27.2	26.7	1.0291	1.1625	-0.0097	2.1819	0.3832	0.5175	0.0642	0.9649
586	28.2	26.6	1.0283	1.1613	-0.0101	2.1795	0.385	0.5077	0.0672	0.9599
587	27.4	26.4	1.0276	1.1604	-0.0103	2.1777	0.3758	0.5071	0.0666	0.9495
588	25.6	26.2	1.027	1.1596	-0.0103	2.1763	0.3622	0.5084	0.0617	0.9322
589	25.8	26	1.0259	1.1591	-0.0105	2.1745	0.3574	0.5127	0.0558	0.9259
590	25.4	25.9	1.0256	1.1586	-0.0105	2.1737	0.3581	0.5085	0.0521	0.9187
591	25.2	25.8	1.0253	1.1576	-0.0105	2.1724	0.3434	0.5039	0.0556	0.903
592	26.3	25.7	1.0245	1.1574	-0.0105	2.1714	0.3341	0.5014	0.0571	0.8927
593	26.5	25.7	1.0239	1.157	-0.0105	2.1704	0.3272	0.4976	0.0585	0.8833
594	25.6	25.5	1.0224	1.156	-0.0108	2.1675	0.319	0.5024	0.06	0.8813
595	25.4	25.3	1.0214	1.1549	-0.0108	2.1655	0.3118	0.4907	0.0601	0.8626
596	24.2	25	1.0216	1.1542	-0.0109	2.1649	0.2909	0.4979	0.0619	0.8508
597	23.6	24.8	1.0221	1.1539	-0.0111	2.1649	0.2978	0.4953	0.065	0.8581
598	24.7	24.6	1.0222	1.1536	-0.0114	2.1644	0.2837	0.5002	0.0836	0.8676
599	24.6	24.4	1.0221	1.1531	-0.0114	2.1637	0.2913	0.5058	0.0821	0.8791
600	24.9	24.2	1.0215	1.1527	-0.0113	2.1629	0.2955	0.5134	0.0814	0.8904
601	25.8	24.1	1.0206	1.1519	-0.0113	2.1612	0.289	0.5136	0.087	0.8896
602	24.9	23.9	1.0204	1.1511	-0.0112	2.1603	0.2855	0.5145	0.092	0.8921
603	23.2	23.7	1.0209	1.1503	-0.0111	2.1601	0.2727	0.5245	0.0912	0.8883
604	23.9	23.5	1.0206	1.15	-0.0113	2.1593	0.261	0.5197	0.0879	0.8686
605	22.9	23.3	1.0209	1.1501	-0.0116	2.1594	0.2621	0.5208	0.0871	0.8701
606	22.9	23.2	1.0206	1.1493	-0.0114	2.1585	0.272	0.5235	0.0865	0.882
607	21.6	23.1	1.0207	1.1485	-0.0116	2.1576	0.2621	0.5263	0.098	0.8864
608	21.9	22.9	1.0203	1.1479	-0.0116	2.1567	0.2684	0.5379	0.1029	0.9092
609	22.3	22.7	1.0202	1.1483	-0.0118	2.1567	0.2832	0.5475	0.1047	0.9353
610	22.5	22.5	1.0207	1.148	-0.0122	2.1565	0.2806	0.563	0.1034	0.947
611	22.6	22.4	1.0207	1.1473	-0.0122	2.1558	0.2728	0.5677	0.103	0.9435
612	22.2	22.2	1.0207	1.147	-0.0124	2.1553	0.2661	0.5707	0.1022	0.939
613	21.9	22.1	1.0207	1.1466	-0.0127	2.1546	0.2713	0.5726	0.1045	0.9484
614	22	22	1.021	1.1461	-0.0125	2.1546	0.2715	0.5725	0.1036	0.9476
615	21.9	22	1.0212	1.1456	-0.0123	2.1545	0.2779	0.5706	0.105	0.9535
616	21.6	22	1.0213	1.1453	-0.0124	2.1542	0.2843	0.5691	0.1044	0.9579
617	22	22.1	1.0212	1.145	-0.0125	2.1536	0.2814	0.5632	0.1029	0.9474
618	21.4	22.1	1.0213	1.1434	-0.0127	2.152	0.2789	0.5525	0.0995	0.931
619	20.8	22.2	1.0218	1.1432	-0.0131	2.1519	0.2788	0.5445	0.0936	0.9169
620	22.7	22.2	1.0217	1.1433	-0.0133	2.1518	0.2804	0.533	0.0881	0.9015

621	22.1	22.1	1.0219	1.1423	-0.0136	2.1506	0.2856	0.5278	0.0953	0.9087
622	21.2	22.1	1.0213	1.1415	-0.0135	2.1492	0.2765	0.5328	0.1047	0.9141
623	21.6	22.2	1.0206	1.1406	-0.0136	2.1476	0.269	0.5385	0.1087	0.9161
624	23	22.3	1.0196	1.1405	-0.0138	2.1463	0.2606	0.5517	0.1124	0.9247
625	22.8	22.2	1.0179	1.1401	-0.014	2.144	0.2477	0.5525	0.1179	0.9181
626	22.8	22.3	1.0166	1.1383	-0.0142	2.1406	0.2454	0.5637	0.1211	0.9302
627	23.5	22.3	1.0158	1.1374	-0.0145	2.1387	0.2437	0.5744	0.1224	0.9405
628	22.8	22.3	1.016	1.1369	-0.0147	2.1381	0.241	0.5805	0.1196	0.9411
629	22.3	22.3	1.0157	1.1359	-0.015	2.1366	0.2347	0.5968	0.1175	0.9489
630	22	22.2	1.0156	1.1353	-0.0153	2.1356	0.2199	0.6132	0.1137	0.9469
631	22.1	22.2	1.0158	1.134	-0.0156	2.1341	0.2115	0.6151	0.1157	0.9423
632	22.9	22.1	1.0163	1.1339	-0.0155	2.1347	0.211	0.62	0.1111	0.9421
633	23.5	22	1.0159	1.1328	-0.0156	2.1332	0.2131	0.6221	0.1122	0.9474
634	21.6	22	1.016	1.1329	-0.0156	2.1332	0.223	0.6207	0.1126	0.9564
635	21.9	22	1.016	1.1328	-0.0157	2.133	0.2267	0.6181	0.1108	0.9557
636	22.3	21.9	1.0165	1.132	-0.0157	2.1328	0.2234	0.6128	0.1087	0.9448
637	21.4	21.8	1.0174	1.1314	-0.0155	2.1333	0.2146	0.6076	0.1018	0.924
638	20.9	21.7	1.0176	1.1305	-0.0152	2.1329	0.2131	0.6081	0.096	0.9172
639	21.1	21.7	1.0175	1.1302	-0.0151	2.1326	0.2168	0.6069	0.0966	0.9202
640	21.4	21.6	1.0178	1.1298	-0.0153	2.1323	0.2078	0.6099	0.0957	0.9133
641	20.7	21.6	1.0178	1.1292	-0.0149	2.132	0.1999	0.6184	0.0965	0.9148
642	20.1	21.5	1.0174	1.1294	-0.0147	2.132	0.2026	0.6152	0.0961	0.9139
643	21.9	21.4	1.0172	1.1287	-0.0151	2.1308	0.1994	0.6226	0.0941	0.9161
644	22.4	21.4	1.0168	1.1291	-0.0153	2.1307	0.1951	0.6283	0.0931	0.9166
645	21	21.5	1.0167	1.1288	-0.0157	2.1298	0.1869	0.6303	0.0931	0.9103
646	21.8	21.5	1.0155	1.1286	-0.0159	2.1282	0.1768	0.6219	0.0948	0.8935
647	21.7	21.5	1.0145	1.1281	-0.0161	2.1265	0.1794	0.6167	0.0978	0.8939
648	21	21.6	1.0131	1.127	-0.0164	2.1237	0.1875	0.6208	0.0963	0.9046
649	21.3	21.7	1.0117	1.1259	-0.0165	2.121	0.1867	0.6257	0.095	0.9074
650	21.5	21.7	1.0116	1.1252	-0.0168	2.1201	0.1877	0.6228	0.0944	0.9049
651	21.5	21.8	1.0117	1.1246	-0.017	2.1193	0.1861	0.6168	0.0965	0.8994
652	21.4	21.8	1.0125	1.1236	-0.017	2.1191	0.1776	0.6132	0.0966	0.8874
653	22.1	21.8	1.0137	1.1232	-0.0168	2.12	0.1791	0.6147	0.0951	0.889
654	23.1	21.9	1.0137	1.1229	-0.0167	2.1199	0.1889	0.6089	0.0995	0.8973
655	22.3	22	1.0124	1.1227	-0.017	2.1181	0.1862	0.6161	0.1001	0.9023
656	21.4	22	1.0119	1.1222	-0.0176	2.1165	0.1914	0.6281	0.0951	0.9145
657	22.5	22.1	1.0122	1.1209	-0.0178	2.1153	0.194	0.6247	0.0973	0.916

658	22.4	22.3	1.0124	1.1199	-0.018	2.1143	0.1981	0.6204	0.0982	0.9167
659	23.1	22.4	1.0126	1.1183	-0.018	2.1129	0.1949	0.6225	0.0999	0.9173
660	21	22.4	1.0125	1.1171	-0.0179	2.1117	0.195	0.6385	0.1003	0.9337
661	21.2	22.4	1.0121	1.1164	-0.018	2.1105	0.1979	0.6408	0.0981	0.9368
662	22.3	22.4	1.0113	1.1156	-0.0182	2.1086	0.196	0.642	0.0962	0.9342
663	23.1	22.4	1.0112	1.115	-0.0183	2.1079	0.2037	0.6552	0.0921	0.951
664	23	22.3	1.011	1.1145	-0.0185	2.107	0.2065	0.6494	0.091	0.947
665	22.8	22.3	1.011	1.1143	-0.0186	2.1067	0.2145	0.6466	0.0934	0.9545
666	23.5	22.3	1.0112	1.1142	-0.0187	2.1067	0.2156	0.6456	0.091	0.9522
667	23.6	22.2	1.0109	1.1143	-0.0185	2.1067	0.2191	0.6479	0.0913	0.9583
668	23.2	22.1	1.0106	1.1144	-0.0186	2.1065	0.2248	0.6499	0.0893	0.9639
669	22.4	22.1	1.0107	1.1142	-0.0185	2.1064	0.241	0.633	0.0865	0.9605
670	21.3	22.1	1.0102	1.1139	-0.019	2.1051	0.2632	0.6319	0.0829	0.978
671	21.7	22.1	1.0101	1.1129	-0.0191	2.1039	0.2739	0.6362	0.0831	0.9932
672	21.3	22.2	1.0106	1.1123	-0.0196	2.1033	0.2795	0.6324	0.0806	0.9925
673	21.4	22.1	1.0109	1.111	-0.0197	2.1022	0.2829	0.6313	0.0813	0.9955
674	22.3	22	1.0111	1.1111	-0.0198	2.1024	0.2835	0.6303	0.0818	0.9956
675	21.2	22.1	1.0109	1.1101	-0.0199	2.1011	0.2902	0.6352	0.084	1.0095
676	21	22	1.0105	1.109	-0.0201	2.0994	0.2821	0.6376	0.0879	1.0075
677	20.9	21.9	1.0102	1.1083	-0.0201	2.0984	0.2706	0.626	0.0887	0.9853
678	22.3	21.9	1.0098	1.1067	-0.0201	2.0964	0.2707	0.633	0.0874	0.9911
679	21.6	21.9	1.0099	1.1044	-0.0203	2.0941	0.2746	0.64	0.0838	0.9983
680	21.8	22	1.0092	1.1039	-0.0205	2.0927	0.2641	0.6399	0.0814	0.9854
681	22.6	22	1.0089	1.1029	-0.0203	2.0915	0.2549	0.6499	0.0778	0.9826
682	22.2	22.2	1.0087	1.1024	-0.0203	2.0907	0.2522	0.6448	0.0725	0.9694
683	21.8	22.3	1.0073	1.1019	-0.0206	2.0886	0.2598	0.6474	0.0739	0.9812
684	23.2	22.3	1.0066	1.1017	-0.0205	2.0879	0.2574	0.6417	0.0717	0.9708
685	22	22.4	1.0067	1.1012	-0.0206	2.0874	0.2564	0.648	0.0702	0.9746
686	22.1	22.6	1.0068	1.1005	-0.0202	2.0871	0.254	0.6587	0.072	0.9847
687	23	22.6	1.0063	1.0996	-0.0199	2.086	0.2582	0.6529	0.0738	0.9849
688	23	22.6	1.0053	1.0989	-0.0199	2.0843	0.2705	0.6461	0.0784	0.9949
689	23	22.7	1.0052	1.0981	-0.0201	2.0832	0.2838	0.6478	0.0859	1.0175
690	22.2	22.7	1.0056	1.0968	-0.0202	2.0822	0.2834	0.6527	0.0858	1.0219
691	24.4	22.7	1.005	1.0961	-0.0201	2.081	0.2973	0.6544	0.0846	1.0363
692	22.7	22.8	1.0045	1.0952	-0.0199	2.0798	0.3052	0.6599	0.0886	1.0537
693	22.7	22.9	1.0044	1.0942	-0.0198	2.0788	0.3084	0.6733	0.0908	1.0725
694	23.8	22.9	1.0037	1.0929	-0.0201	2.0765	0.3067	0.6763	0.0866	1.0695

695	23.7	23	1.0037	1.0927	-0.0203	2.0762	0.3007	0.6854	0.0855	1.0716
696	21.9	23.2	1.0036	1.0925	-0.0206	2.0755	0.3095	0.6853	0.0815	1.0763
697	21.9	23.1	1.0034	1.0918	-0.0208	2.0744	0.3013	0.6926	0.0795	1.0735
698	22.7	23.2	1.0036	1.091	-0.0209	2.0737	0.29	0.6941	0.0783	1.0623
699	23	23.2	1.0033	1.0908	-0.0208	2.0733	0.2837	0.6948	0.0758	1.0543
700	22.7	23.3	1.0029	1.091	-0.0209	2.0729	0.2848	0.6915	0.0773	1.0536
701	24	23.2	1.0028	1.0905	-0.0209	2.0725	0.2846	0.7024	0.0793	1.0663
702	23.5	23.3	1.0025	1.0896	-0.0207	2.0714	0.2915	0.6964	0.0767	1.0647
703	23.5	23.4	1.002	1.0894	-0.0211	2.0703	0.3016	0.6963	0.0839	1.0818
704	23.9	23.4	1.002	1.0883	-0.0213	2.069	0.3157	0.7022	0.0845	1.1024
705	24.7	23.5	1.0018	1.0873	-0.0211	2.068	0.3106	0.7084	0.089	1.108
706	22.5	23.6	1.0012	1.0869	-0.0212	2.0669	0.2954	0.7185	0.0866	1.1005
707	23.7	23.7	1.0009	1.0864	-0.0214	2.0659	0.2854	0.724	0.0804	1.0897
708	24.3	23.9	1.0008	1.0857	-0.0215	2.0649	0.2819	0.7248	0.0785	1.0852
709	22.7	24	1.0007	1.0845	-0.0218	2.0634	0.2791	0.7206	0.0754	1.0751
710	23.8	24.1	1.0009	1.0839	-0.022	2.0628	0.2799	0.7133	0.0758	1.069
711	23.9	24.1	1.0011	1.0831	-0.0218	2.0624	0.2772	0.7097	0.0762	1.0631
712	24.3	24.1	1.0003	1.0815	-0.0216	2.0602	0.271	0.7108	0.077	1.0589
713	24.3	24.3	1	1.0817	-0.0218	2.0599	0.2617	0.7151	0.076	1.0527
714	25	24.3	0.9995	1.0814	-0.0218	2.0591	0.2557	0.7075	0.0761	1.0393
715	24.7	24.3	0.9996	1.081	-0.0214	2.0592	0.2508	0.7093	0.0732	1.0333
716	23.5	24.3	0.9994	1.0805	-0.0215	2.0584	0.2499	0.7115	0.0733	1.0347
717	25.4	24.3	0.9987	1.08	-0.0214	2.0572	0.2503	0.7123	0.0733	1.036
718	25	24.3	0.9972	1.0801	-0.0214	2.0559	0.2486	0.7181	0.0762	1.0429
719	24.7	24.4	0.9955	1.08	-0.0214	2.054	0.2503	0.7258	0.0782	1.0543
720	24.2	24.5	0.9943	1.0797	-0.0216	2.0524	0.2573	0.7269	0.0789	1.0631
721	24.6	24.5	0.9939	1.079	-0.0217	2.0513	0.2546	0.733	0.0747	1.0623
722	25.4	24.5	0.993	1.0784	-0.0216	2.0497	0.2559	0.7313	0.0758	1.0629
723	24.5	24.5	0.9923	1.0776	-0.0218	2.048	0.2666	0.732	0.0708	1.0694
724	25	24.5	0.9906	1.077	-0.0222	2.0454	0.2721	0.7394	0.0715	1.0831
725	23.4	24.5	0.9897	1.0763	-0.0228	2.0432	0.2822	0.7534	0.071	1.1066
726	23.3	24.5	0.9895	1.0757	-0.0231	2.0421	0.2878	0.7447	0.07	1.1025
727	24.4	24.4	0.9887	1.0741	-0.0232	2.0395	0.2886	0.7373	0.0674	1.0934
728	24.5	24.3	0.9885	1.0729	-0.0231	2.0383	0.2933	0.7425	0.0658	1.1015
729	24.7	24.3	0.9893	1.072	-0.0232	2.0381	0.2945	0.7292	0.063	1.0867
730	23.9	24.2	0.9901	1.0703	-0.023	2.0374	0.3022	0.7066	0.0638	1.0726
731	25	24.2	0.9906	1.0695	-0.0229	2.0372	0.3044	0.7035	0.0632	1.0712

732	24.4	24.1	0.9903	1.0692	-0.0229	2.0366	0.303	0.7021	0.0666	1.0717
733	24.9	24.1	0.9902	1.0687	-0.0228	2.0361	0.2939	0.7082	0.066	1.0681
734	23.9	24	0.9903	1.0681	-0.0226	2.0358	0.2724	0.711	0.0634	1.0468
735	24.6	24	0.9906	1.0669	-0.0229	2.0345	0.2569	0.7208	0.0634	1.0411
736	24	24	0.9907	1.0667	-0.0231	2.0343	0.2527	0.7234	0.0611	1.0372
737	23.1	24	0.9903	1.0668	-0.0233	2.0338	0.2504	0.7236	0.0657	1.0397
738	23.1	24	0.9892	1.0657	-0.0238	2.0311	0.2405	0.7172	0.0713	1.029
739	23.7	23.9	0.9892	1.0649	-0.0237	2.0304	0.2384	0.7138	0.0741	1.0263
740	23.4	23.9	0.9881	1.0643	-0.0237	2.0287	0.2374	0.7109	0.0745	1.0228
741	23.6	23.9	0.9873	1.0632	-0.0238	2.0267	0.2444	0.7062	0.0745	1.025
742	24.5	24.1	0.9865	1.062	-0.0238	2.0248	0.2384	0.7035	0.0752	1.0171
743	22.9	24	0.9865	1.0611	-0.0238	2.0239	0.2297	0.7002	0.0768	1.0067
744	23.7	24.1	0.9867	1.0606	-0.0239	2.0235	0.2226	0.6987	0.0789	1.0002
745	23.9	24.1	0.9857	1.0602	-0.0238	2.0221	0.2092	0.693	0.0759	0.9781
746	23.7	24.2	0.9853	1.0594	-0.0239	2.0208	0.2054	0.6994	0.0742	0.979
747	24.9	24.3	0.9855	1.0587	-0.024	2.0203	0.204	0.705	0.0715	0.9805
748	23.9	24.4	0.9847	1.0575	-0.024	2.0183	0.202	0.7082	0.0728	0.9829
749	24.1	24.5	0.9832	1.0567	-0.0243	2.0157	0.2065	0.7064	0.073	0.9859
750	25	24.5	0.9831	1.055	-0.0247	2.0134	0.2049	0.7165	0.0727	0.9941
751	26.5	24.5	0.9826	1.0549	-0.0247	2.0128	0.2013	0.7175	0.075	0.9938
752	24.3	24.5	0.9824	1.0539	-0.0254	2.0109	0.2023	0.72	0.0765	0.9988
753	24.3	24.6	0.9821	1.0529	-0.0253	2.0098	0.2174	0.7116	0.0779	1.0069
754	25.5	24.6	0.9826	1.0521	-0.0256	2.0091	0.2304	0.7127	0.0754	1.0185
755	25.5	24.7	0.9829	1.0508	-0.0257	2.0081	0.2398	0.7103	0.0716	1.0217
756	24.9	24.7	0.9834	1.0498	-0.0256	2.0076	0.2451	0.7036	0.072	1.0207
757	25	24.6	0.984	1.0485	-0.0256	2.0068	0.2517	0.7037	0.0709	1.0264
758	25.5	24.5	0.9845	1.0478	-0.0255	2.0067	0.2571	0.7096	0.0691	1.0358
759	24.4	24.4	0.9846	1.047	-0.0256	2.006	0.2548	0.7171	0.0692	1.0412
760	24.1	24.4	0.9848	1.0462	-0.0255	2.0054	0.2503	0.715	0.0666	1.0319
761	24.2	24.2	0.985	1.0453	-0.0257	2.0046	0.2487	0.7179	0.0633	1.0299
762	23.4	24.1	0.9851	1.0441	-0.0258	2.0034	0.2503	0.7162	0.068	1.0345
763	25.1	24.1	0.9856	1.0442	-0.0259	2.0039	0.2462	0.7071	0.0717	1.025
764	24.9	24	0.9859	1.0436	-0.0258	2.0037	0.2421	0.7188	0.0705	1.0314
765	23.2	23.9	0.9861	1.0431	-0.0259	2.0032	0.2418	0.7218	0.0722	1.0358
766	23.7	23.8	0.9862	1.043	-0.026	2.0031	0.2541	0.7221	0.0776	1.0539
767	22.3	23.7	0.9861	1.0425	-0.0262	2.0024	0.2597	0.7246	0.0748	1.0591
768	22.6	23.6	0.9856	1.0419	-0.0264	2.0011	0.2622	0.7286	0.0746	1.0655

769	23.6	23.6	0.985	1.0415	-0.0264	2	0.2494	0.7344	0.0759	1.0597
770	23.1	23.5	0.9847	1.0406	-0.0265	1.9989	0.2343	0.7412	0.0779	1.0535
771	22.9	23.6	0.9845	1.0398	-0.0267	1.9976	0.2337	0.7447	0.0776	1.056
772	23.4	23.7	0.9839	1.0392	-0.0267	1.9964	0.2398	0.7412	0.0791	1.0601
773	24.5	23.6	0.9837	1.037	-0.0269	1.9939	0.2374	0.7402	0.0783	1.0559
774	23	23.6	0.9829	1.0358	-0.0269	1.9918	0.2272	0.7476	0.0759	1.0506
775	23.6	23.7	0.9821	1.0356	-0.0269	1.9908	0.1978	0.7449	0.0735	1.0161
776	22.7	23.7	0.9817	1.0352	-0.0268	1.9901	0.1819	0.7461	0.0704	0.9983
777	24.2	23.9	0.9809	1.0341	-0.0267	1.9883	0.1981	0.7441	0.0661	1.0082
778	23.1	24.1	0.9804	1.0337	-0.0264	1.9877	0.1918	0.7293	0.0659	0.987
779	23.7	24.1	0.9797	1.0337	-0.0266	1.9868	0.1909	0.7225	0.0645	0.9779
780	24.8	24.1	0.9787	1.0336	-0.0268	1.9855	0.2006	0.732	0.0623	0.9949
781	25	24.1	0.9786	1.0327	-0.027	1.9843	0.2067	0.7239	0.0649	0.9955
782	24.3	24.2	0.9793	1.0316	-0.0269	1.9839	0.2144	0.7242	0.0687	1.0074
783	24.5	24.1	0.98	1.0308	-0.0269	1.9839	0.2071	0.7294	0.0676	1.0041
784	25.3	24.2	0.9809	1.0297	-0.0268	1.9838	0.2035	0.7311	0.0678	1.0024
785	24	24.2	0.9815	1.0289	-0.0267	1.9837	0.2064	0.7303	0.0692	1.006
786	25.7	24.3	0.9818	1.0282	-0.0268	1.9832	0.2153	0.7258	0.0698	1.011
787	25.8	24.2	0.9822	1.0279	-0.027	1.9831	0.2251	0.7269	0.0694	1.0214
788	24.3	24.2	0.9815	1.0275	-0.0273	1.9817	0.2231	0.73	0.0663	1.0194
789	23.9	24.2	0.9814	1.027	-0.0275	1.9809	0.2188	0.7319	0.0628	1.0135
790	22.9	24.3	0.9811	1.0261	-0.0276	1.9797	0.2237	0.7354	0.0658	1.0249
791	23.5	24.3	0.9812	1.0257	-0.0276	1.9793	0.2169	0.7376	0.0687	1.0231
792	23.9	24.3	0.9815	1.0252	-0.0276	1.9791	0.211	0.742	0.066	1.019
793	23.6	24.3	0.9821	1.0243	-0.0277	1.9788	0.2104	0.7398	0.0659	1.0161
794	23.7	24.3	0.9828	1.0236	-0.0277	1.9787	0.2111	0.738	0.0652	1.0144
795	24.6	24.3	0.9832	1.0228	-0.0277	1.9783	0.216	0.7418	0.0655	1.0233
796	23.2	24.2	0.9832	1.022	-0.0278	1.9774	0.2059	0.7508	0.0652	1.022
797	23.6	24	0.9832	1.021	-0.0281	1.9761	0.1997	0.7486	0.0648	1.0131
798	24	23.9	0.9829	1.0204	-0.0282	1.9751	0.2054	0.7446	0.0643	1.0143
799	25.3	23.9	0.9828	1.0192	-0.0281	1.9738	0.2051	0.7374	0.064	1.0065
800	25.1	24	0.9827	1.0192	-0.0284	1.9735	0.2023	0.7338	0.0634	0.9994
801	25.4	24.1	0.9826	1.0185	-0.0286	1.9726	0.206	0.7229	0.0632	0.992
802	24.4	24.1	0.9807	1.0184	-0.0285	1.9707	0.1993	0.7346	0.0663	1.0001
803	24.8	24.1	0.979	1.0181	-0.0286	1.9685	0.1892	0.7341	0.063	0.9863
804	23.7	24.2	0.978	1.0173	-0.0285	1.9669	0.1783	0.7336	0.0671	0.9791
805	23.3	24.2	0.9772	1.0169	-0.0283	1.9659	0.1776	0.7439	0.0677	0.9892

806	23	24.1	0.9761	1.0165	-0.0283	1.9643	0.1826	0.7499	0.0674	0.9999
807	23.1	24.1	0.9752	1.0154	-0.0283	1.9623	0.1835	0.7488	0.0666	0.9989
808	24	24	0.9753	1.0139	-0.0285	1.9608	0.181	0.7488	0.0617	0.9914
809	24.3	23.9	0.9757	1.013	-0.0285	1.9602	0.1831	0.745	0.057	0.9851
810	25	23.8	0.976	1.0121	-0.0283	1.9598	0.1817	0.7432	0.0534	0.9782
811	24.4	23.7	0.9761	1.0115	-0.0286	1.959	0.1821	0.7401	0.0519	0.9741
812	23.9	23.7	0.9757	1.0108	-0.0288	1.9577	0.1853	0.7323	0.0482	0.9658
813	25	23.6	0.9758	1.0098	-0.0288	1.9568	0.19	0.7217	0.0466	0.9583
814	24	23.6	0.9754	1.0092	-0.029	1.9556	0.1979	0.7307	0.0474	0.9759
815	22.6	23.6	0.9742	1.0088	-0.0292	1.9539	0.1958	0.7302	0.0481	0.9742
816	23	23.7	0.9734	1.008	-0.029	1.9524	0.1972	0.7284	0.0442	0.9698
817	22.2	23.8	0.9725	1.0071	-0.0289	1.9507	0.1996	0.7338	0.043	0.9764
818	22.9	23.7	0.9723	1.0066	-0.029	1.9499	0.2057	0.7267	0.0423	0.9748
819	23.7	23.6	0.972	1.0059	-0.0292	1.9487	0.2118	0.7273	0.041	0.9801
820	24	23.5	0.971	1.0052	-0.0294	1.9469	0.2157	0.7292	0.0415	0.9864
821	24	23.5	0.97	1.0049	-0.0296	1.9453	0.2266	0.7305	0.0431	1.0001
822	22.4	23.4	0.9692	1.0043	-0.0295	1.9441	0.233	0.7244	0.0405	0.9979
823	24	23.4	0.9695	1.0028	-0.0294	1.943	0.2364	0.7264	0.04	1.0029
824	23.6	23.4	0.9708	1.0025	-0.0296	1.9438	0.2487	0.7102	0.0386	0.9976
825	24.4	23.4	0.9715	1.0017	-0.0298	1.9434	0.2529	0.7012	0.0401	0.9942
826	24	23.5	0.9697	1.0012	-0.0297	1.9412	0.259	0.7056	0.0436	1.0082
827	22.3	23.5	0.9695	1.0011	-0.0298	1.9409	0.261	0.7068	0.0446	1.0123
828	22.9	23.5	0.9694	1.0006	-0.0296	1.9405	0.2504	0.7063	0.046	1.0027
829	23.7	23.5	0.9692	0.9988	-0.0294	1.9386	0.2478	0.7084	0.049	1.0052
830	23.9	23.5	0.9694	0.9979	-0.0295	1.9378	0.2534	0.718	0.0492	1.0206
831	22.6	23.5	0.9691	0.9971	-0.0298	1.9365	0.2531	0.7261	0.0471	1.0263
832	23.7	23.6	0.9696	0.9963	-0.0297	1.9362	0.2602	0.728	0.0454	1.0336
833	23.9	23.6	0.9698	0.9956	-0.0296	1.9358	0.2746	0.7251	0.0467	1.0464
834	24	23.6	0.9697	0.995	-0.0296	1.9352	0.2872	0.713	0.0482	1.0484
835	23.3	23.6	0.969	0.9943	-0.0299	1.9334	0.2966	0.7237	0.0524	1.0727
836	22.9	23.6	0.9682	0.994	-0.03	1.9322	0.2937	0.7343	0.0581	1.0861
837	23.2	23.6	0.968	0.9937	-0.0299	1.9318	0.2806	0.7344	0.058	1.073
838	23.9	23.7	0.9673	0.9925	-0.0301	1.9298	0.274	0.752	0.0568	1.0829
839	23.5	23.7	0.9668	0.9913	-0.0303	1.9279	0.2667	0.7634	0.0557	1.0858
840	24.2	23.7	0.9664	0.9906	-0.0306	1.9264	0.2601	0.7638	0.0564	1.0803
841	24	23.9	0.9662	0.989	-0.0304	1.9248	0.2449	0.7651	0.0596	1.0696
842	24.2	23.9	0.9655	0.9881	-0.0304	1.9232	0.2376	0.7789	0.06	1.0765

843	24.1	23.9	0.9654	0.9873	-0.0303	1.9224	0.2412	0.7839	0.0601	1.0853
844	23.8	23.9	0.9651	0.9864	-0.0304	1.9212	0.242	0.7882	0.059	1.0892
845	23.3	24	0.9652	0.9851	-0.0304	1.9199	0.2517	0.7933	0.0619	1.1069
846	23.7	24	0.9654	0.9845	-0.0303	1.9195	0.2712	0.7996	0.0629	1.1336
847	23.6	24.1	0.965	0.9842	-0.0304	1.9188	0.2826	0.7982	0.0583	1.1391
848	24.5	24.1	0.9642	0.9838	-0.0304	1.9176	0.2944	0.7943	0.058	1.1467
849	24.2	24.1	0.963	0.9833	-0.0306	1.9157	0.2925	0.793	0.063	1.1485
850	25.2	24.1	0.9625	0.9827	-0.031	1.9142	0.291	0.7884	0.0631	1.1426
851	24.6	24.1	0.9627	0.9815	-0.0314	1.9128	0.2968	0.7971	0.0592	1.1531
852	24.8	24.2	0.9634	0.9805	-0.0317	1.9123	0.3007	0.7945	0.0598	1.1549
853	24.1	24.2	0.9643	0.9796	-0.032	1.9119	0.2832	0.8064	0.0617	1.1513
854	23.5	24.3	0.9649	0.9777	-0.0324	1.9101	0.2749	0.812	0.0603	1.1472
855	24.4	24.5	0.9646	0.9759	-0.0324	1.9081	0.2782	0.8104	0.0621	1.1507
856	23.8	24.6	0.965	0.9749	-0.0323	1.9077	0.2768	0.8138	0.0665	1.1571
857	24.1	24.7	0.9659	0.9736	-0.0318	1.9077	0.2637	0.826	0.0675	1.1573
858	24	24.9	0.9662	0.9733	-0.0312	1.9082	0.2609	0.8288	0.0659	1.1556
859	24.1	24.9	0.9664	0.9727	-0.0309	1.9082	0.2655	0.8217	0.067	1.1542
860	24.4	24.9	0.9666	0.9722	-0.0307	1.908	0.2588	0.8297	0.0632	1.1517
861	25.2	24.9	0.9664	0.9721	-0.0305	1.9081	0.2544	0.8306	0.0653	1.1503
862	25	25	0.9661	0.9719	-0.0305	1.9076	0.2497	0.8309	0.0615	1.1421
863	26.2	25.1	0.9658	0.9711	-0.0306	1.9063	0.2396	0.8348	0.0592	1.1336
864	27	25.2	0.9663	0.9705	-0.0306	1.9063	0.2335	0.8381	0.0579	1.1295
865	25.7	25.3	0.9663	0.9703	-0.0303	1.9063	0.2196	0.8449	0.0552	1.1197
866	25.1	25.3	0.9662	0.9696	-0.0303	1.9055	0.2006	0.851	0.0521	1.1037
867	27.3	25.5	0.9655	0.9698	-0.0304	1.9049	0.1901	0.8538	0.0547	1.0986
868	25.1	25.7	0.9644	0.9691	-0.0305	1.903	0.1798	0.8539	0.0572	1.0908
869	24	25.9	0.9634	0.9686	-0.0305	1.9014	0.1716	0.8514	0.0564	1.0795
870	25.7	26	0.9621	0.9676	-0.0308	1.8989	0.1675	0.8547	0.054	1.0762
871	26.4	26	0.9612	0.9674	-0.0307	1.8978	0.1551	0.8505	0.0533	1.0589
872	25.5	26.2	0.9603	0.9665	-0.0307	1.8961	0.1542	0.854	0.0501	1.0582
873	25.7	26.2	0.9588	0.966	-0.0307	1.8941	0.1692	0.8518	0.0501	1.0711
874	25.7	26.2	0.9576	0.9656	-0.0309	1.8923	0.1852	0.8425	0.0533	1.081
875	25.5	26.2	0.9562	0.9651	-0.0312	1.89	0.2069	0.8465	0.0515	1.1048
876	27.3	26.3	0.9556	0.9646	-0.0313	1.8889	0.2211	0.8415	0.0457	1.1083
877	27.9	26.3	0.9558	0.9634	-0.0313	1.888	0.2121	0.8403	0.0463	1.0987
878	27.4	26.3	0.9556	0.9629	-0.0313	1.8872	0.216	0.8521	0.0492	1.1173
879	26.4	26.4	0.9544	0.9619	-0.0316	1.8847	0.2245	0.8549	0.0553	1.1346

880	25.8	26.5	0.9534	0.961	-0.0315	1.8829	0.2228	0.8395	0.0597	1.1219
881	27.3	26.4	0.9526	0.9599	-0.0315	1.8809	0.2187	0.8408	0.0597	1.1192
882	26.3	26.4	0.9518	0.9591	-0.0316	1.8793	0.2232	0.8377	0.0573	1.1181
883	27.9	26.5	0.9513	0.9595	-0.0317	1.8791	0.2249	0.8446	0.0593	1.1288
884	25.9	26.5	0.9513	0.9573	-0.0321	1.8765	0.2289	0.8527	0.0593	1.1408
885	27.1	26.6	0.9521	0.9555	-0.0325	1.875	0.2338	0.8549	0.0577	1.1464
886	26.5	26.6	0.9537	0.9547	-0.0326	1.8759	0.237	0.8534	0.0536	1.144
887	26.1	26.5	0.9548	0.9527	-0.0327	1.8748	0.2318	0.8633	0.0561	1.1513
888	26	26.4	0.9548	0.9512	-0.0329	1.8731	0.2252	0.8724	0.0573	1.1549
889	25.9	26.3	0.9554	0.9506	-0.0332	1.8729	0.2089	0.863	0.0548	1.1267
890	25.8	26.4	0.9567	0.9496	-0.0336	1.8727	0.2016	0.8573	0.0516	1.1105
891	25.5	26.3	0.9574	0.9479	-0.0336	1.8716	0.202	0.8587	0.0513	1.112
892	26.1	26.3	0.9574	0.9468	-0.0336	1.8706	0.2061	0.851	0.0563	1.1133
893	26.7	26.1	0.9579	0.9455	-0.0336	1.8698	0.2039	0.8453	0.0552	1.1045
894	26.5	26.1	0.9576	0.9443	-0.0339	1.868	0.2056	0.8446	0.0534	1.1036
895	27.4	26	0.9561	0.9428	-0.034	1.8649	0.2012	0.8423	0.052	1.0955
896	26.2	26	0.955	0.9422	-0.0336	1.8635	0.1989	0.8374	0.05	1.0863
897	26.3	25.9	0.9538	0.9416	-0.0339	1.8615	0.2006	0.84	0.0496	1.0901
898	24.9	25.9	0.9537	0.9411	-0.0345	1.8602	0.1989	0.8518	0.05	1.1007
899	26.6	25.8	0.9537	0.9403	-0.0344	1.8596	0.1922	0.8415	0.049	1.0826
900	25.7	25.7	0.9531	0.9395	-0.0343	1.8582	0.1765	0.8368	0.0473	1.0606
901	26	25.6	0.9526	0.9391	-0.0346	1.8571	0.1717	0.8372	0.045	1.0539
902	25.7	25.5	0.9524	0.9378	-0.0347	1.8555	0.1784	0.8343	0.0421	1.0548
903	24.9	25.3	0.9515	0.9369	-0.0346	1.8538	0.1897	0.8323	0.0407	1.0627
904	26	25.3	0.9502	0.9363	-0.0347	1.8518	0.199	0.8342	0.0353	1.0686
905	25	25.1	0.9496	0.9356	-0.035	1.8502	0.2024	0.8242	0.0327	1.0592
906	25.1	25.1	0.9497	0.9339	-0.035	1.8486	0.1981	0.82	0.0348	1.0529
907	25.7	25	0.9491	0.9326	-0.0349	1.8468	0.1974	0.8195	0.0354	1.0523
908	24	25	0.9488	0.9318	-0.0352	1.8454	0.1984	0.8138	0.0389	1.0511
909	23.9	24.8	0.9498	0.93	-0.0348	1.845	0.1946	0.8204	0.0459	1.061
910	23.8	24.9	0.9506	0.929	-0.0349	1.8448	0.1994	0.8239	0.0506	1.0738
911	23.6	24.8	0.9511	0.9284	-0.0348	1.8448	0.212	0.8196	0.0551	1.0867
912	23.9	24.8	0.9518	0.9273	-0.0347	1.8443	0.2177	0.8201	0.0596	1.0974
913	25.4	24.7	0.9524	0.926	-0.0346	1.8439	0.2168	0.8319	0.0613	1.11
914	25	24.7	0.9534	0.9247	-0.0345	1.8436	0.2279	0.8259	0.0577	1.1115
915	24.7	24.7	0.9541	0.9237	-0.0344	1.8435	0.2337	0.8284	0.0628	1.1249
916	24.8	24.7	0.9544	0.9227	-0.0344	1.8426	0.2165	0.8379	0.0676	1.1219

917	24.3	24.7	0.9545	0.9217	-0.0346	1.8416	0.2062	0.8372	0.0684	1.1118
918	23.7	24.8	0.9551	0.9215	-0.0346	1.842	0.1919	0.8489	0.065	1.1057
919	26.7	24.8	0.9553	0.9204	-0.0346	1.8411	0.1842	0.8489	0.0647	1.0978
920	24.5	24.8	0.9555	0.9202	-0.0347	1.841	0.1762	0.8503	0.0668	1.0934
921	25.5	24.9	0.9546	0.9195	-0.0346	1.8395	0.1692	0.8502	0.0645	1.084
922	24.2	24.9	0.9523	0.9192	-0.0345	1.837	0.1659	0.8558	0.064	1.0857
923	25	24.9	0.951	0.9186	-0.0347	1.8349	0.1601	0.8525	0.0631	1.0757
924	25.5	24.9	0.9501	0.9179	-0.0347	1.8333	0.1416	0.8579	0.0626	1.0621
925	25.9	24.8	0.9494	0.9176	-0.0344	1.8326	0.1209	0.8649	0.0644	1.0502
926	25.7	24.8	0.9485	0.9172	-0.0343	1.8314	0.1049	0.8683	0.0604	1.0336
927	24.7	24.9	0.9479	0.9159	-0.0347	1.8291	0.1029	0.8653	0.0594	1.0277
928	23.9	25	0.947	0.9151	-0.0351	1.827	0.1046	0.8643	0.061	1.0298
929	24.7	24.9	0.9469	0.9148	-0.0354	1.8264	0.1085	0.8712	0.0572	1.0369
930	25.8	25	0.9476	0.9138	-0.0355	1.8259	0.1018	0.8586	0.0575	1.0179
931	23.9	25	0.9468	0.9133	-0.0355	1.8246	0.0922	0.8525	0.0588	1.0035
932	24	25	0.9471	0.9118	-0.0356	1.8233	0.0834	0.8598	0.0594	1.0026
933	24.9	25.1	0.9469	0.9103	-0.0355	1.8217	0.0846	0.8583	0.0597	1.0026
934	24.5	25.1	0.9463	0.9095	-0.0353	1.8205	0.0848	0.8723	0.0578	1.0149
935	24.7	25.1	0.9453	0.909	-0.0353	1.8191	0.0864	0.8511	0.0548	0.9923
936	25.6	25.1	0.945	0.9077	-0.0356	1.8171	0.0935	0.8356	0.0503	0.9794
937	24.6	25.1	0.9455	0.9065	-0.0357	1.8163	0.1173	0.8335	0.0496	1.0003
938	24.9	25.2	0.9464	0.9062	-0.0355	1.8171	0.1301	0.8168	0.0503	0.9972
939	26.2	25.3	0.9467	0.9056	-0.0354	1.8168	0.1246	0.81	0.049	0.9836
940	25.8	25.3	0.9462	0.9047	-0.0357	1.8152	0.1232	0.8094	0.0455	0.9781
941	25.3	25.4	0.9456	0.9039	-0.036	1.8134	0.1327	0.8175	0.0412	0.9913
942	25.8	25.4	0.9451	0.9035	-0.0359	1.8127	0.1341	0.8111	0.0377	0.9828
943	25.6	25.4	0.9449	0.9029	-0.0357	1.8121	0.131	0.8029	0.0339	0.9679
944	25.6	25.5	0.945	0.9022	-0.0356	1.8116	0.1335	0.7888	0.0333	0.9556
945	25.7	25.5	0.9453	0.9014	-0.0354	1.8113	0.1257	0.7875	0.0321	0.9453
946	25.8	25.5	0.9453	0.9005	-0.0353	1.8105	0.1099	0.771	0.0311	0.912
947	25.7	25.5	0.9451	0.8991	-0.0354	1.8088	0.105	0.7685	0.0349	0.9083
948	26.2	25.6	0.945	0.8997	-0.0353	1.8094	0.0981	0.7668	0.0329	0.8978
949	25.5	25.6	0.9453	0.8997	-0.0353	1.8097	0.0965	0.7705	0.0281	0.8952
950	26	25.6	0.9453	0.899	-0.0355	1.8088	0.0981	0.7804	0.0309	0.9095
951	24.5	25.6	0.9448	0.898	-0.0356	1.8073	0.0913	0.7787	0.0312	0.9012
952	25	25.7	0.9445	0.8973	-0.0357	1.806	0.0855	0.7794	0.0269	0.8919
953	25.4	25.7	0.9444	0.8961	-0.0355	1.805	0.0893	0.7661	0.0242	0.8795

954	24.8	25.7	0.9446	0.8953	-0.0357	1.8042	0.082	0.7591	0.0247	0.8658
955	25.5	25.6	0.9448	0.8939	-0.0359	1.8028	0.0631	0.7562	0.0282	0.8475
956	26	25.5	0.9453	0.893	-0.0359	1.8025	0.055	0.7595	0.0256	0.8401
957	26.3	25.5	0.9461	0.8922	-0.0357	1.8026	0.0495	0.7486	0.027	0.8251
958	26.5	25.4	0.9467	0.8912	-0.0358	1.8021	0.0471	0.7456	0.0322	0.825
959	25.5	25.4	0.9465	0.8903	-0.036	1.8008	0.0408	0.7389	0.0258	0.8055
960	25.4	25.2	0.9454	0.8902	-0.0362	1.7993	0.0408	0.7211	0.0262	0.7881
961	27	25.2	0.9447	0.8901	-0.0365	1.7983	0.0421	0.7148	0.0267	0.7837
962	25.9	25.3	0.9444	0.8887	-0.0366	1.7966	0.0479	0.7177	0.0291	0.7948
963	25.8	25.3	0.943	0.8886	-0.0364	1.7952	0.0585	0.7187	0.0325	0.8097
964	24.1	25.3	0.943	0.8877	-0.0369	1.7938	0.0662	0.7112	0.0338	0.8112
965	24.5	25.2	0.9447	0.8865	-0.0371	1.7941	0.0737	0.6995	0.0349	0.8081
966	24.1	25.1	0.9456	0.8859	-0.0371	1.7943	0.0712	0.7169	0.0358	0.8239
967	24.6	25	0.9463	0.885	-0.0369	1.7944	0.0674	0.7184	0.0329	0.8186
968	24.9	24.9	0.946	0.8842	-0.037	1.7933	0.0623	0.7253	0.0238	0.8114
969	24	24.9	0.9458	0.8835	-0.0372	1.7921	0.0732	0.7431	0.02	0.8363
970	24.5	24.8	0.9452	0.8826	-0.0372	1.7905	0.0891	0.7368	0.0173	0.8431
971	25.1	24.7	0.9446	0.8818	-0.0371	1.7893	0.0902	0.7445	0.0142	0.849
972	25.4	24.6	0.9442	0.8813	-0.037	1.7885	0.0712	0.7636	-0.0057	0.8291
973	25	24.6	0.9447	0.8802	-0.037	1.7879	0.035	0.7714	-0.005	0.8014
974	24.6	24.6	0.9455	0.8791	-0.0373	1.7873	0.0145	0.7673	-0.0087	0.773
975	24.5	24.6	0.9457	0.8782	-0.0373	1.7866	0.0021	0.7619	-0.0082	0.7557
976	23.9	24.6	0.9453	0.878	-0.0372	1.7861	-0.004	0.7652	-0.0035	0.7577
977	24.3	24.6	0.9454	0.877	-0.0374	1.785	-0.0145	0.7719	-0.0046	0.7528
978	25	24.5	0.9447	0.8758	-0.037	1.7835	-0.0246	0.7624	-0.0083	0.7296
979	24.5	24.5	0.9442	0.876	-0.0373	1.7829	-0.0311	0.7564	-0.012	0.7133
980	24.4	24.4	0.9442	0.8757	-0.0374	1.7826	-0.0358	0.7544	-0.0129	0.7057
981	24.6	24.3	0.9442	0.8739	-0.0374	1.7807	-0.0314	0.7448	-0.0168	0.6966
982	24.9	24.2	0.9434	0.8732	-0.0376	1.779	-0.0318	0.7398	-0.0209	0.6871
983	24.5	24.1	0.9428	0.8723	-0.0375	1.7776	-0.0221	0.7182	-0.0196	0.6765
984	23.9	24.1	0.9426	0.8722	-0.0375	1.7773	-0.0152	0.7003	-0.0154	0.6697
985	24.6	24	0.9427	0.8719	-0.0375	1.7771	-0.0193	0.692	-0.0115	0.6612
986	24.4	24	0.942	0.8714	-0.0376	1.7758	-0.0315	0.6875	-0.0078	0.6482
987	24.1	23.9	0.9418	0.871	-0.0377	1.7751	-0.0383	0.6809	-0.0091	0.6334
988	22.9	23.9	0.9424	0.8702	-0.0378	1.7747	-0.0393	0.6797	-0.0085	0.6319
989	22.8	23.8	0.9431	0.8697	-0.0377	1.7751	-0.0347	0.6803	-0.0058	0.6398
990	24.3	23.7	0.9434	0.8679	-0.0377	1.7736	-0.0331	0.6816	-0.0016	0.6469

991	22.9	23.6	0.944	0.8667	-0.0374	1.7734	-0.0322	0.6864	-0.0037	0.6505
992	23.4	23.5	0.9443	0.8665	-0.037	1.7738	-0.0305	0.684	-0.0053	0.6481
993	23.9	23.3	0.9446	0.8666	-0.0369	1.7743	-0.028	0.684	-0.0027	0.6533
994	23	23.2	0.945	0.8655	-0.0371	1.7735	-0.026	0.6809	-0.0013	0.6536
995	23.5	23.2	0.9451	0.8657	-0.0371	1.7737	-0.0224	0.6776	0.0005	0.6556
996	23.4	23.1	0.9445	0.8653	-0.0371	1.7727	-0.021	0.6778	0.005	0.6618
997	23.4	23	0.9439	0.8649	-0.0371	1.7717	-0.0166	0.6733	0.006	0.6627
998	23	23	0.944	0.864	-0.0373	1.7707	-0.0142	0.6687	0.0069	0.6615
999	23.3	23	0.9439	0.8623	-0.0375	1.7686	-0.016	0.6802	0.007	0.6712
1000	22.7	22.9	0.9439	0.8617	-0.0375	1.7681	-0.0207	0.6852	0.0064	0.6709
1001	22.5	22.9	0.944	0.8611	-0.0372	1.7679	-0.0294	0.6816	0.0017	0.6539
1002	21.5	22.9	0.9435	0.8612	-0.0371	1.7676	-0.038	0.6861	-0.0006	0.6475
1003	22	22.8	0.9433	0.861	-0.0371	1.7672	-0.0443	0.6789	-0.0037	0.631
1004	23.1	22.8	0.9439	0.8607	-0.0375	1.7671	-0.0449	0.6741	-0.0043	0.6249
1005	22.5	22.9	0.9441	0.8596	-0.0375	1.7662	-0.038	0.6703	-0.0052	0.6271
1006	22.2	23	0.9447	0.859	-0.0377	1.7661	-0.0426	0.6622	-0.0063	0.6134
1007	23.3	23	0.9444	0.858	-0.0381	1.7643	-0.0423	0.6549	-0.0061	0.6064
1008	22.9	23	0.9447	0.8579	-0.0377	1.7649	-0.0319	0.6494	-0.0043	0.6133
1009	22.5	23	0.9458	0.8579	-0.0374	1.7662	-0.0269	0.6503	-0.0045	0.6189
1010	23	23.1	0.9464	0.8576	-0.0375	1.7664	-0.0224	0.6445	-0.0065	0.6156
1011	22.5	23.2	0.9463	0.8566	-0.0377	1.7653	-0.0223	0.6472	-0.0064	0.6185
1012	23	23.4	0.9459	0.8554	-0.038	1.7634	-0.0272	0.6444	-0.0076	0.6096
1013	23.8	23.5	0.9458	0.8549	-0.038	1.7627	-0.0364	0.6337	-0.0118	0.5854
1014	24.2	23.6	0.946	0.8548	-0.038	1.7628	-0.0602	0.633	-0.0085	0.5642
1015	25.3	23.7	0.947	0.852	-0.0379	1.7611	-0.0652	0.6306	-0.0099	0.5555
1016	23.6	23.8	0.9476	0.8508	-0.0377	1.7607	-0.0471	0.6218	-0.0111	0.5636
1017	23.4	23.8	0.9483	0.8492	-0.037	1.7605	-0.0359	0.6312	-0.0118	0.5835
1018	23.6	23.9	0.9478	0.8472	-0.0366	1.7584	-0.0281	0.6403	-0.0171	0.5951
1019	24.3	23.9	0.9464	0.8467	-0.0363	1.7568	-0.0366	0.6398	-0.0267	0.5765
1020	24.5	23.9	0.9464	0.8457	-0.0361	1.7561	-0.0354	0.6378	-0.0281	0.5742
1021	24.5	23.9	0.9474	0.8431	-0.034	1.7566	-0.0304	0.6307	-0.0293	0.571
1022	25.3	23.9	0.9488	0.842	-0.034	1.7569	-0.0321	0.623	-0.029	0.5619
1023	24.2	23.9	0.9496	0.8419	-0.0339	1.7576	-0.0356	0.623	-0.0264	0.561
1024	23.9	23.8	0.9499	0.8417	-0.0339	1.7577	-0.0224	0.6172	-0.0243	0.5704
1025	24.2	23.5	0.9498	0.841	-0.034	1.7568	-0.0069	0.6098	-0.0256	0.5773
1026	24.2	23.5	0.9499	0.84	-0.0339	1.7561	-0.0039	0.6071	-0.0238	0.5793
1027	23.7	23.4	0.9504	0.8397	-0.0339	1.7562	-0.0027	0.6093	-0.022	0.5845

1028	23.8	23.3	0.9501	0.8395	-0.0339	1.7557	0.0005	0.6032	-0.0243	0.5793
1029	22.2	23.2	0.9505	0.8394	-0.0341	1.7558	-0.0147	0.5972	-0.0237	0.5588
1030	23.5	23	0.9507	0.8394	-0.0338	1.7562	-0.0322	0.608	-0.028	0.5478
1031	22.9	22.9	0.95	0.8394	-0.0334	1.7559	-0.0453	0.606	-0.0286	0.5321
1032	22.2	22.7	0.9493	0.84	-0.0336	1.7556	-0.0566	0.5957	-0.0288	0.5103
1033	22.1	22.6	0.9484	0.8403	-0.0339	1.7548	-0.068	0.5979	-0.0323	0.4976
1034	21.3	22.5	0.9483	0.8403	-0.0342	1.7544	-0.0748	0.5878	-0.033	0.48
1035	22.2	22.3	0.9485	0.8402	-0.0345	1.7542	-0.0713	0.586	-0.0323	0.4824
1036	21.7	22.2	0.9488	0.8396	-0.0347	1.7537	-0.0672	0.5849	-0.0301	0.4876
1037	21.7	22	0.9494	0.8385	-0.0348	1.7532	-0.0785	0.5875	-0.0304	0.4786
1038	22.1	21.8	0.9499	0.8382	-0.035	1.7531	-0.0803	0.5933	-0.0308	0.4823
1039	21.6	21.8	0.95	0.8374	-0.0353	1.7522	-0.0787	0.5879	-0.0301	0.4791
1040	21.7	21.6	0.9494	0.8361	-0.0354	1.7501	-0.0764	0.5887	-0.0309	0.4814
1041	21.9	21.5	0.9486	0.8355	-0.0355	1.7486	-0.0769	0.5724	-0.0319	0.4635
1042	22.1	21.4	0.9479	0.8351	-0.0356	1.7474	-0.071	0.5592	-0.029	0.4592
1043	22.3	21.3	0.9475	0.8348	-0.0355	1.7467	-0.0691	0.5676	-0.027	0.4715
1044	21.1	21.2	0.9473	0.8344	-0.0356	1.746	-0.0691	0.5717	-0.0274	0.4752
1045	21.1	21.2	0.9474	0.8336	-0.0359	1.7451	-0.0634	0.5598	-0.0305	0.4659
1046	20.2	21.1	0.947	0.8332	-0.0359	1.7442	-0.062	0.5602	-0.0347	0.4635
1047	20.7	21	0.9465	0.8322	-0.0361	1.7426	-0.0676	0.5541	-0.0386	0.4479
1048	21.8	21	0.9466	0.8316	-0.036	1.7423	-0.0735	0.551	-0.0422	0.4352
1049	20.1	20.9	0.9474	0.8311	-0.036	1.7426	-0.074	0.5483	-0.048	0.4262
1050	20.1	20.8	0.9483	0.8308	-0.0357	1.7434	-0.0784	0.5367	-0.051	0.4072
1051	20.3	20.7	0.9486	0.8294	-0.0355	1.7425	-0.0777	0.5271	-0.0442	0.4051
1052	20.5	20.6	0.9489	0.8294	-0.0354	1.7429	-0.0767	0.5247	-0.0388	0.4093
1053	20.5	20.4	0.9489	0.8287	-0.0351	1.7425	-0.0812	0.5291	-0.0362	0.4118
1054	20.3	20.3	0.9484	0.8282	-0.0351	1.7415	-0.0819	0.5342	-0.0346	0.4177
1055	20.1	20.2	0.9491	0.8276	-0.0353	1.7415	-0.0776	0.5379	-0.0395	0.4208
1056	20.8	20.1	0.9495	0.8275	-0.0352	1.7418	-0.0738	0.5329	-0.0375	0.4216
1057	21	20.1	0.9492	0.8273	-0.0353	1.7412	-0.0584	0.5316	-0.0372	0.436
1058	20.3	20	0.9494	0.8262	-0.0354	1.7402	-0.051	0.5305	-0.0413	0.4382
1059	19.7	20	0.9487	0.8259	-0.0353	1.7393	-0.0512	0.529	-0.0385	0.4393
1060	20	20	0.9476	0.8255	-0.0356	1.7375	-0.046	0.5381	-0.0361	0.456
1061	19.8	20	0.9474	0.8256	-0.0357	1.7374	-0.0364	0.5399	-0.035	0.4685
1062	18.7	20	0.9481	0.8254	-0.0354	1.738	-0.034	0.53	-0.0354	0.4605
1063	19.1	20	0.9491	0.8253	-0.0356	1.7388	-0.0327	0.5189	-0.0376	0.4486
1064	19.4	20.1	0.9495	0.8247	-0.0359	1.7382	-0.0259	0.5149	-0.0358	0.4533

1065	19.6	20.1	0.9494	0.8243	-0.036	1.7377	-0.0174	0.5138	-0.0364	0.4601
1066	19.3	20	0.9492	0.8228	-0.036	1.736	0.0037	0.4929	-0.0355	0.4611
1067	19.6	19.9	0.9491	0.8209	-0.0352	1.7349	0.0184	0.4887	-0.0326	0.4745
1068	20	19.8	0.9497	0.8203	-0.0343	1.7356	0.0303	0.4728	-0.0254	0.4778
1069	20	19.9	0.9493	0.8197	-0.0344	1.7346	0.0287	0.4628	-0.0195	0.472
1070	20.7	19.9	0.9482	0.8195	-0.0343	1.7334	0.0185	0.4687	-0.0163	0.4709
1071	20.9	19.9	0.9478	0.8195	-0.0342	1.7331	0.0203	0.4629	-0.0112	0.472
1072	20.9	20	0.9478	0.819	-0.0344	1.7324	0.0231	0.448	0.011	0.482
1073	21.1	20	0.9469	0.8185	-0.0346	1.7308	0.0284	0.4405	0.0102	0.4792
1074	20	20	0.9462	0.8182	-0.0348	1.7296	0.0223	0.453	0.0102	0.4855
1075	19.5	20	0.9461	0.8175	-0.0349	1.7287	0.0144	0.4567	0.009	0.4802
1076	19.5	20	0.9456	0.8171	-0.035	1.7277	0.0053	0.4565	0.0076	0.4695
1077	19.3	20	0.9453	0.8167	-0.0349	1.7271	0	0.4466	0.0083	0.4549
1078	19.8	19.9	0.9462	0.8161	-0.0347	1.7276	-0.0004	0.4393	0.0083	0.4472
1079	20.5	19.8	0.9474	0.8153	-0.0345	1.7282	-0.0049	0.4394	0.008	0.4425
1080	19.8	19.7	0.9487	0.8151	-0.0345	1.7293	0.0041	0.4405	0.0069	0.4515
1081	20.1	19.6	0.9499	0.8143	-0.0346	1.7296	0.0079	0.4414	0.0091	0.4585
1082	19.8	19.5	0.9502	0.8134	-0.0343	1.7293	0.0095	0.4469	0.0153	0.4717
1083	19.5	19.4	0.9503	0.8135	-0.0342	1.7296	0.0093	0.4518	0.0137	0.4747
1084	19.2	19.3	0.9498	0.8136	-0.0343	1.729	0.008	0.457	0.0116	0.4766
1085	19.4	19.3	0.9495	0.8134	-0.0345	1.7284	0.0125	0.452	0.0122	0.4768
1086	19.4	19.3	0.9499	0.8126	-0.0345	1.728	0.0173	0.4512	0.0103	0.4788
1087	18.3	19.2	0.9498	0.8117	-0.0347	1.7269	0.0281	0.4491	0.01	0.4873
1088	18.3	19.2	0.9502	0.8114	-0.0348	1.7268	0.0448	0.4408	0.0114	0.497
1089	18.6	19.1	0.9507	0.8108	-0.0346	1.7269	0.0555	0.4442	0.0114	0.5111
1090	18.6	19	0.9511	0.8107	-0.0345	1.7272	0.066	0.4532	0.0086	0.5279
1091	19.7	18.9	0.9511	0.8108	-0.0345	1.7274	0.0661	0.4492	0.008	0.5232
1092	18.6	18.8	0.9512	0.8097	-0.0343	1.7267	0.0627	0.4436	0.0066	0.5128
1093	19.2	18.8	0.9515	0.8095	-0.0342	1.7268	0.0534	0.4378	0.005	0.4962
1094	18.8	18.8	0.9514	0.8096	-0.034	1.7269	0.0371	0.44	0.0063	0.4834
1095	18.9	18.8	0.9513	0.8097	-0.0336	1.7274	0.0239	0.4423	0.0033	0.4695
1096	18.7	18.8	0.9512	0.8099	-0.0332	1.7279	0.0145	0.4388	-0.0028	0.4505
1097	19.1	18.7	0.9513	0.8098	-0.0329	1.7281	0.0042	0.4345	-0.0067	0.432
1098	18.4	18.8	0.9514	0.8092	-0.0325	1.7281	-0.0066	0.4312	-0.0118	0.4128
1099	18.1	18.9	0.9517	0.8086	-0.0324	1.7279	-0.0097	0.4297	-0.0109	0.4091
1100	17.9	18.9	0.9517	0.8089	-0.033	1.7276	0.0011	0.421	-0.009	0.413
1101	18.2	18.9	0.9517	0.8087	-0.0334	1.727	0.0115	0.4185	-0.0085	0.4215

1102	19	18.8	0.9516	0.8083	-0.0335	1.7264	0.0129	0.4072	-0.0073	0.4129
1103	19.2	18.8	0.9515	0.8076	-0.0336	1.7254	0.0112	0.4095	-0.0107	0.41
1104	20	18.8	0.9517	0.8069	-0.0335	1.725	0.0093	0.4032	-0.0112	0.4013
1105	18.9	18.9	0.9514	0.8063	-0.0338	1.724	0.0004	0.3923	-0.0144	0.3783
1106	17.8	18.9	0.9506	0.8059	-0.034	1.7225	0.0017	0.3789	-0.0149	0.3657
1107	19	18.9	0.9495	0.805	-0.034	1.7205	0.0046	0.3746	-0.0121	0.3672
1108	20.3	18.9	0.9498	0.805	-0.0339	1.7209	-0.0007	0.3729	-0.0117	0.3605
1109	19.6	18.8	0.9504	0.8041	-0.0338	1.7206	-0.003	0.3618	-0.0128	0.346
1110	18.7	18.9	0.95	0.8036	-0.034	1.7196	-0.0124	0.3581	-0.0113	0.3345
1111	18.1	18.9	0.9497	0.8036	-0.0342	1.7192	-0.026	0.3543	-0.0119	0.3164
1112	18.8	18.8	0.9492	0.8035	-0.0342	1.7185	-0.0309	0.354	-0.021	0.3021
1113	19.1	18.8	0.9484	0.8034	-0.0344	1.7174	-0.0169	0.3529	-0.0153	0.3208
1114	19.5	18.6	0.9478	0.8034	-0.0344	1.7168	-0.0016	0.3513	-0.02	0.3297
1115	19	18.6	0.9466	0.8027	-0.0344	1.715	-0.0005	0.3468	-0.026	0.3203
1116	18.8	18.5	0.9458	0.8019	-0.0345	1.7133	-0.0063	0.3429	-0.0257	0.3109
1117	18.2	18.5	0.9452	0.8019	-0.0344	1.7127	-0.0081	0.3288	-0.0236	0.2971
1118	17.7	18.3	0.9449	0.8009	-0.0346	1.7112	-0.0039	0.3105	-0.013	0.2936
1119	18.3	18.1	0.9445	0.7998	-0.0347	1.7097	0.0066	0.3015	-0.003	0.3051
1120	18.4	18	0.9444	0.7995	-0.035	1.7089	0.0048	0.3	-0.0042	0.3006
1121	17.9	18	0.9451	0.7983	-0.0351	1.7084	-0.0067	0.3016	-0.0023	0.2926
1122	18.3	17.8	0.946	0.798	-0.035	1.7089	-0.0081	0.3023	-0.001	0.2932
1123	17.8	17.7	0.9473	0.7966	-0.0349	1.709	-0.0038	0.3019	-0.0002	0.2978
1124	17.3	17.5	0.9485	0.796	-0.0348	1.7097	-0.0162	0.295	0	0.2787
1125	17.4	17.4	0.9492	0.7954	-0.0348	1.7098	-0.0191	0.2958	0.0009	0.2776
1126	17.2	17.3	0.9499	0.7954	-0.0347	1.7106	-0.019	0.2972	0.0019	0.2801
1127	17	17.2	0.9504	0.7957	-0.0347	1.7114	-0.0159	0.3075	-0.0008	0.2908
1128	16.9	17.1	0.9506	0.7956	-0.0347	1.7114	-0.0125	0.304	0.0012	0.2927
1129	16.8	17	0.9501	0.7953	-0.0348	1.7107	-0.003	0.3058	0.0023	0.305
1130	16.6	16.9	0.9499	0.7952	-0.0347	1.7104	0.0092	0.2985	0.003	0.3107
1131	16	16.8	0.949	0.7947	-0.0349	1.7088	0.0202	0.3071	0.0034	0.3307
1132	17.1	16.7	0.9484	0.7948	-0.035	1.7082	0.027	0.3042	0.0049	0.3361
1133	16.1	16.7	0.9476	0.7946	-0.0351	1.7071	0.0308	0.2945	0.0076	0.3328
1134	16.6	16.7	0.947	0.7952	-0.0354	1.7067	0.0365	0.2988	0.0102	0.3454
1135	16.9	16.6	0.9468	0.7951	-0.0355	1.7064	0.032	0.3007	0.0084	0.3412
1136	16	16.5	0.946	0.7947	-0.0357	1.705	0.0264	0.304	0.0034	0.3338
1137	16.5	16.5	0.9449	0.7945	-0.0359	1.7034	0.0271	0.3044	0.0019	0.3334
1138	16.3	16.5	0.9444	0.7937	-0.0361	1.702	0.0246	0.301	0.0013	0.3269

1139	16.4	16.4	0.9434	0.7921	-0.0361	1.6994	0.0179	0.2973	-0.0008	0.3143
1140	16.2	16.4	0.9428	0.7911	-0.0362	1.6978	0.0183	0.2966	-0.0012	0.3137
1141	16.9	16.5	0.9423	0.7911	-0.0362	1.6973	0.0189	0.2943	-0.0003	0.3129
1142	16.9	16.4	0.9426	0.7913	-0.0361	1.6978	0.0202	0.3039	-0.0021	0.322
1143	17.1	16.4	0.9438	0.7908	-0.0362	1.6984	0.0212	0.2903	-0.0007	0.3109
1144	16.4	16.3	0.9449	0.7902	-0.036	1.6991	0.0209	0.2921	0.0018	0.3148
1145	15.6	16.3	0.9459	0.7897	-0.0356	1.7001	0.0207	0.2935	0.0061	0.3204
1146	15.7	16.2	0.9465	0.7897	-0.0352	1.701	0.0213	0.2951	0.0137	0.3301
1147	16.4	16.2	0.9472	0.7891	-0.0349	1.7013	0.024	0.2985	0.0197	0.3422
1148	15.4	16.1	0.9476	0.7887	-0.0349	1.7013	0.0283	0.2963	0.0238	0.3484
1149	17.5	16.1	0.9473	0.7891	-0.0351	1.7013	0.0335	0.2887	0.028	0.3502
1150	16.7	16	0.9471	0.789	-0.0348	1.7013	0.042	0.2796	0.0303	0.3519
1151	15.4	15.9	0.9473	0.7887	-0.0348	1.7013	0.0473	0.2903	0.0246	0.3621
1152	15.8	15.8	0.9478	0.7884	-0.0343	1.7019	0.0522	0.2873	0.0204	0.36
1153	15.9	15.7	0.9479	0.7884	-0.034	1.7024	0.0619	0.2844	0.019	0.3652
1154	15.6	15.6	0.9484	0.789	-0.0337	1.7037	0.061	0.2771	0.0207	0.3588
1155	15.6	15.5	0.9489	0.7897	-0.0338	1.7049	0.0624	0.2725	0.0234	0.3583
1156	15.3	15.5	0.9491	0.79	-0.034	1.7051	0.0604	0.2707	0.0205	0.3516
1157	15.5	15.4	0.9493	0.79	-0.0341	1.7052	0.0584	0.2711	0.0182	0.3477
1158	15.4	15.4	0.9497	0.79	-0.0341	1.7056	0.0557	0.2644	0.019	0.3392
1159	14.9	15.3	0.95	0.79	-0.0342	1.7058	0.0596	0.2628	0.0217	0.3441
1160	15.1	15.2	0.9502	0.79	-0.0344	1.7059	0.065	0.2501	0.0207	0.3359
1161	14.8	15.2	0.9505	0.7902	-0.0336	1.7071	0.0667	0.2469	0.0164	0.3301
1162	14.6	15.1	0.9498	0.7901	-0.0339	1.7059	0.0779	0.2471	0.0143	0.3392
1163	14.5	15.1	0.9492	0.7901	-0.0336	1.7058	0.0846	0.2456	0.0153	0.3454
1164	14.9	15.1	0.9495	0.79	-0.0333	1.7062	0.076	0.2468	0.0132	0.336
1165	14.9	15	0.95	0.79	-0.0334	1.7066	0.0559	0.2535	0.0139	0.3232
1166	15.5	14.9	0.95	0.7899	-0.0336	1.7063	0.0377	0.2517	0.0131	0.3025
1167	15.4	14.9	0.9495	0.7899	-0.0339	1.7055	0.0189	0.2419	0.0093	0.2702
1168	15.1	14.8	0.949	0.7901	-0.034	1.7051	0.0088	0.2378	0.0099	0.2565
1169	15.3	14.8	0.9488	0.7897	-0.034	1.7046	0.0006	0.2308	0.0092	0.2406
1170	15.1	14.7	0.9489	0.7893	-0.0341	1.7041	-0.0083	0.2252	0.007	0.2239
1171	14.4	14.7	0.9486	0.7893	-0.0341	1.7038	-0.0129	0.2255	0.0044	0.2169
1172	15.1	14.7	0.9482	0.7888	-0.0343	1.7026	-0.0099	0.2137	0.0044	0.2081
1173	14.7	14.6	0.9485	0.789	-0.0346	1.703	-0.0045	0.2107	0.007	0.2132
1174	14	14.6	0.9481	0.7886	-0.0349	1.7018	0.0109	0.1962	0.0092	0.2163
1175	14.6	14.5	0.948	0.7878	-0.0351	1.7007	0.0221	0.1944	0.01	0.2264

1176	14.9	14.5	0.9471	0.7864	-0.0349	1.6986	0.0272	0.1883	0.0104	0.2259
1177	14.2	14.4	0.9466	0.7863	-0.0351	1.6978	0.0355	0.1873	0.0103	0.233
1178	13.6	14.3	0.9465	0.7855	-0.0349	1.6971	0.041	0.1931	0.0107	0.2448
1179	13.9	14.2	0.9465	0.7854	-0.0348	1.6971	0.0406	0.1891	0.0117	0.2415
1180	14.3	14.2	0.9467	0.7844	-0.0349	1.6963	0.0287	0.1881	0.0105	0.2273
1181	14	14.1	0.9472	0.7839	-0.035	1.696	0.017	0.184	0.0098	0.2109
1182	13.9	14	0.9471	0.784	-0.0351	1.696	0.0064	0.1888	0.0095	0.2047
1183	14.2	14	0.9467	0.7836	-0.0352	1.6951	-0.0003	0.1836	0.011	0.1943
1184	13.9	13.9	0.9466	0.7835	-0.0352	1.6949	-0.0101	0.184	0.0089	0.1828
1185	14.2	13.8	0.9468	0.783	-0.0349	1.695	-0.0217	0.1885	0.004	0.1708
1186	14.2	13.7	0.9472	0.7822	-0.0347	1.6946	-0.0257	0.1904	0.0031	0.1678
1187	14	13.7	0.9474	0.7816	-0.0348	1.6942	-0.0278	0.1857	0.0014	0.1593
1188	13.3	13.7	0.9485	0.7816	-0.0347	1.6954	-0.0383	0.1819	-0.0018	0.1418
1189	13.6	13.6	0.9489	0.7812	-0.0345	1.6956	-0.0419	0.1728	-0.0031	0.1278
1190	13.4	13.6	0.9492	0.7812	-0.0345	1.6959	-0.0465	0.1583	-0.0024	0.1095
1191	13.4	13.6	0.9491	0.7804	-0.0343	1.6952	-0.0494	0.1542	-0.0019	0.1028
1192	13.4	13.6	0.9491	0.7807	-0.0342	1.6956	-0.0573	0.1604	-0.0022	0.1008
1193	12.7	13.6	0.9494	0.7803	-0.0344	1.6953	-0.0578	0.1624	-0.0039	0.1007
1194	12.5	13.5	0.9493	0.7802	-0.0347	1.6949	-0.048	0.1535	-0.0047	0.1008
1195	13.3	13.5	0.9492	0.7802	-0.035	1.6944	-0.0383	0.1502	-0.0019	0.1101
1196	13.7	13.5	0.9488	0.7801	-0.0352	1.6937	-0.0318	0.145	0.0042	0.1173
1197	13.4	13.5	0.9485	0.7801	-0.0353	1.6933	-0.0286	0.149	0.0097	0.13
1198	13.3	13.5	0.948	0.7803	-0.0353	1.6931	-0.0231	0.1451	0.013	0.135
1199	14	13.5	0.9475	0.7807	-0.0355	1.6927	-0.0181	0.147	0.0143	0.1432
1200	13.9	13.5	0.947	0.7799	-0.0355	1.6914	-0.0187	0.1529	0.0141	0.1482
1201	13.5	13.5	0.9464	0.7799	-0.0354	1.691	-0.0091	0.1473	0.0158	0.154
1202	13.7	13.5	0.9454	0.7799	-0.0354	1.6899	0.0044	0.1409	0.0167	0.162
1203	13.6	13.5	0.9454	0.7798	-0.0357	1.6895	0.0137	0.1349	0.022	0.1706
1204	14.4	13.5	0.9454	0.7796	-0.0359	1.6891	0.0182	0.133	0.0258	0.177
1205	13.4	13.5	0.9454	0.7793	-0.0358	1.6889	0.0272	0.1351	0.0296	0.192
1206	13.6	13.4	0.9447	0.7788	-0.0358	1.6877	0.0334	0.1348	0.0286	0.1968
1207	13.2	13.4	0.9439	0.7785	-0.0359	1.6865	0.0354	0.1384	0.0265	0.2004
1208	13.4	13.4	0.9439	0.7787	-0.0361	1.6865	0.0337	0.1392	0.0251	0.198
1209	13.3	13.3	0.9439	0.779	-0.0359	1.687	0.0401	0.1388	0.026	0.2049
1210	13.6	13.2	0.9434	0.7789	-0.0357	1.6866	0.0488	0.1491	0.0291	0.227
1211	13.3	13.2	0.942	0.7789	-0.0356	1.6853	0.0533	0.1525	0.0262	0.232
1212	13.8	13.2	0.9407	0.779	-0.0357	1.684	0.0511	0.1574	0.0353	0.2438

1213	13	13.1	0.9408	0.7787	-0.0357	1.6838	0.0461	0.1478	0.0342	0.2281
1214	12.4	13	0.9422	0.7781	-0.0358	1.6844	0.047	0.1474	0.0378	0.2321
1215	12.4	12.9	0.9429	0.7776	-0.0357	1.6847	0.0541	0.1456	0.04	0.2397
1216	12.7	12.8	0.9439	0.7778	-0.0354	1.6863	0.0617	0.1472	0.0377	0.2466
1217	12.8	12.8	0.9443	0.7781	-0.0354	1.6871	0.0635	0.1484	0.0365	0.2484
1218	12.7	12.7	0.9449	0.7778	-0.0356	1.6871	0.0613	0.1525	0.0364	0.2502
1219	12.6	12.6	0.9454	0.7773	-0.0354	1.6873	0.0652	0.1565	0.0382	0.2599
1220	13	12.6	0.9457	0.7769	-0.0354	1.6872	0.0711	0.153	0.039	0.2631
1221	13	12.5	0.9461	0.777	-0.0355	1.6876	0.0727	0.1494	0.0361	0.2582
1222	12.2	12.4	0.9464	0.7769	-0.0357	1.6876	0.0645	0.1474	0.0326	0.2444
1223	12	12.4	0.9462	0.777	-0.0358	1.6874	0.0597	0.1457	0.0261	0.2315
1224	11.8	12.3	0.9463	0.7766	-0.0358	1.687	0.0642	0.1418	0.0224	0.2284
1225	12.4	12.3	0.9465	0.7766	-0.0358	1.6873	0.0664	0.138	0.02	0.2245
1226	12.1	12.3	0.9464	0.7767	-0.0357	1.6873	0.0715	0.125	0.018	0.2146
1227	11.7	12.3	0.9463	0.7764	-0.0358	1.687	0.0594	0.1091	0.0168	0.1853
1228	12.4	12.2	0.9465	0.7766	-0.0359	1.6873	0.0532	0.1093	0.0146	0.177
1229	12.3	12.2	0.9472	0.7765	-0.0358	1.6879	0.0461	0.1009	0.0184	0.1655
1230	11.7	12.2	0.9482	0.7768	-0.0357	1.6893	0.0415	0.096	0.02	0.1575
1231	12.1	12.1	0.9484	0.7758	-0.0359	1.6883	0.0427	0.082	0.0202	0.1449
1232	12.6	12.1	0.9484	0.7764	-0.0361	1.6888	0.0518	0.0758	0.0213	0.149
1233	11.8	12	0.9486	0.7762	-0.036	1.6888	0.061	0.0735	0.0225	0.157
1234	12	12	0.9492	0.7763	-0.0358	1.6897	0.0626	0.0689	0.0202	0.1517
1235	12.1	12	0.9493	0.7761	-0.0358	1.6896	0.0639	0.0641	0.0206	0.1485
1236	12.6	12	0.9488	0.7761	-0.0359	1.6891	0.0666	0.0614	0.027	0.155
1237	12	12	0.9488	0.7763	-0.0358	1.6893	0.074	0.0591	0.0298	0.1629
1238	12.1	11.9	0.9486	0.7764	-0.0358	1.6892	0.0828	0.0537	0.0299	0.1664
1239	12.1	11.8	0.948	0.7763	-0.0359	1.6884	0.1026	0.0576	0.0319	0.1921
1240	11.7	11.8	0.9478	0.7757	-0.036	1.6875	0.11	0.0492	0.034	0.1932
1241	11.6	11.8	0.9481	0.7751	-0.0359	1.6873	0.1094	0.0548	0.0333	0.1975
1242	11.6	11.7	0.9484	0.7751	-0.0357	1.6877	0.0984	0.0466	0.0373	0.1824
1243	11.7	11.7	0.9486	0.7754	-0.0357	1.6883	0.0958	0.0478	0.0384	0.182
1244	11.7	11.7	0.9487	0.7752	-0.0358	1.6881	0.0996	0.049	0.0359	0.1845
1245	12.2	11.7	0.9491	0.7752	-0.036	1.6883	0.1028	0.0599	0.0344	0.1971
1246	11	11.7	0.9494	0.7748	-0.0362	1.688	0.1022	0.0642	0.0315	0.1979
1247	11.1	11.6	0.9495	0.7746	-0.0362	1.6878	0.1007	0.0713	0.0284	0.2004
1248	11	11.6	0.9494	0.774	-0.0363	1.687	0.0928	0.0755	0.026	0.1942
1249	11.3	11.5	0.9491	0.7738	-0.0365	1.6864	0.0842	0.0758	0.0273	0.1873

1250	11.7	11.5	0.948	0.7743	-0.0364	1.6859	0.0768	0.078	0.0272	0.182
1251	11.7	11.4	0.9469	0.7746	-0.0364	1.6851	0.0677	0.0707	0.0278	0.1661
1252	11.5	11.4	0.9464	0.775	-0.0365	1.6849	0.0676	0.0656	0.028	0.1612
1253	11.8	11.3	0.9461	0.7751	-0.0366	1.6847	0.0647	0.0603	0.0252	0.1503
1254	12	11.2	0.9457	0.7755	-0.0367	1.6845	0.074	0.0529	0.0239	0.1508
1255	11.3	11.1	0.9456	0.7763	-0.0366	1.6852	0.075	0.0441	0.02	0.1392
1256	11.8	11.1	0.9455	0.7762	-0.0367	1.685	0.0742	0.0337	0.0198	0.1277
1257	10.9	11.1	0.9459	0.7761	-0.0366	1.6854	0.0687	0.027	0.019	0.1147
1258	10.6	11.1	0.9457	0.7761	-0.0367	1.6852	0.0641	0.0246	0.0186	0.1072
1259	10.7	11	0.9451	0.7751	-0.0371	1.6831	0.072	0.027	0.018	0.1171
1260	10.6	11	0.9449	0.7748	-0.037	1.6826	0.0785	0.0298	0.0199	0.1282
1261	10.7	10.9	0.9454	0.7745	-0.0371	1.6828	0.0726	0.0298	0.0237	0.126
1262	10.6	10.8	0.9451	0.7753	-0.0373	1.6831	0.0623	0.0311	0.0268	0.1202
1263	10.5	10.7	0.9445	0.7754	-0.0373	1.6826	0.0553	0.0349	0.0279	0.1181
1264	10.6	10.7	0.9441	0.7754	-0.0373	1.6822	0.0564	0.0337	0.0295	0.1196
1265	10.3	10.6	0.9439	0.7753	-0.0372	1.682	0.0675	0.0286	0.0307	0.1268
1266	10.6	10.6	0.9436	0.775	-0.0373	1.6814	0.0676	0.0321	0.0328	0.1325
1267	10.7	10.6	0.9434	0.7746	-0.0375	1.6805	0.0706	0.0313	0.0378	0.1398
1268	10.7	10.5	0.9425	0.7744	-0.0378	1.6791	0.0674	0.0408	0.0378	0.146
1269	10.3	10.5	0.9417	0.7744	-0.0379	1.6783	0.0709	0.0394	0.0362	0.1465
1270	10.4	10.5	0.9416	0.7744	-0.0377	1.6783	0.0755	0.0358	0.0366	0.1479
1271	9.9	10.5	0.9422	0.7745	-0.0374	1.6793	0.0653	0.0386	0.0348	0.1386
1272	10.4	10.5	0.9422	0.7742	-0.0369	1.6795	0.0675	0.0398	0.0382	0.1456
1273	10.5	10.5	0.9421	0.7748	-0.0368	1.6801	0.0726	0.039	0.0377	0.1493
1274	10.8	10.5	0.9415	0.7748	-0.0369	1.6794	0.0713	0.037	0.0351	0.1434
1275	10.9	10.4	0.9408	0.7753	-0.0369	1.6793	0.0686	0.0319	0.0335	0.134
1276	10.7	10.4	0.9412	0.7754	-0.0366	1.6801	0.071	0.03	0.033	0.134
1277	10.1	10.4	0.9413	0.7754	-0.0365	1.6801	0.0723	0.031	0.035	0.1384
1278	10.3	10.4	0.9419	0.7754	-0.0367	1.6806	0.0687	0.0331	0.0346	0.1364
1279	10.5	10.4	0.9423	0.7758	-0.0368	1.6813	0.0677	0.0409	0.0317	0.1402
1280	10.1	10.4	0.9425	0.7762	-0.0369	1.6818	0.0762	0.0354	0.0318	0.1434
1281	10.6	10.4	0.942	0.7763	-0.0372	1.6811	0.0897	0.032	0.0329	0.1545
1282	10.4	10.4	0.941	0.7766	-0.0373	1.6803	0.093	0.0145	0.0311	0.1386
1283	10.4	10.4	0.9404	0.7768	-0.0372	1.6799	0.0958	0.0213	0.03	0.1472
1284	10.2	10.4	0.9402	0.7771	-0.0372	1.6801	0.0955	0.023	0.0312	0.1497
1285	10.5	10.3	0.9402	0.7769	-0.0376	1.6795	0.1005	0.0219	0.0332	0.1556
1286	10.4	10.3	0.9397	0.7763	-0.0377	1.6783	0.1001	0.0157	0.0332	0.149

1287	9.99	10.3	0.9391	0.7762	-0.0378	1.6776	0.092	0.02	0.0317	0.1437
1288	10.5	10.3	0.9382	0.7759	-0.0379	1.6762	0.0907	0.0216	0.0338	0.1462
1289	10.3	10.3	0.9379	0.7762	-0.0379	1.6762	0.0839	0.0229	0.0356	0.1425
1290	10.5	10.3	0.9382	0.7758	-0.0378	1.6762	0.0735	0.0186	0.0342	0.1263
1291	10.6	10.3	0.9392	0.7758	-0.038	1.677	0.065	0.0137	0.0304	0.1091
1292	10.1	10.3	0.9395	0.7759	-0.0381	1.6774	0.0672	0.0108	0.0297	0.1077
1293	10.1	10.3	0.9394	0.7753	-0.038	1.6768	0.0713	0.0147	0.0315	0.1176
1294	10.1	10.3	0.939	0.7742	-0.0381	1.6752	0.0772	0.0203	0.0311	0.1286
1295	9.86	10.3	0.9389	0.7738	-0.0381	1.6746	0.0779	0.0154	0.0282	0.1215
1296	10.1	10.3	0.9387	0.773	-0.0381	1.6737	0.0832	0.0111	0.026	0.1204
1297	10.2	10.3	0.9392	0.7726	-0.0379	1.6739	0.0956	0.0108	0.0239	0.1303
1298	10.5	10.3	0.9396	0.7727	-0.038	1.6743	0.1009	0.0072	0.0223	0.1304
1299	10.5	10.3	0.9398	0.7729	-0.0382	1.6745	0.1002	0.0009	0.0186	0.1198
1300	10.3	10.3	0.9402	0.7729	-0.0383	1.6748	0.0997	-0.0037	0.0176	0.1136
1301	10.3	10.3	0.9397	0.7734	-0.0382	1.6749	0.0917	-0.0051	0.0198	0.1063
1302	10.6	10.3	0.939	0.7738	-0.0379	1.6749	0.0818	-0.0073	0.0206	0.0951
1303	10.4	10.3	0.938	0.7746	-0.0381	1.6745	0.0753	-0.0048	0.0189	0.0895
1304	10.3	10.3	0.9379	0.7752	-0.0379	1.6752	0.0678	-0.0023	0.0168	0.0823
1305	10.6	10.3	0.938	0.7759	-0.0378	1.6761	0.061	0.0006	0.016	0.0776
1306	10.5	10.3	0.9379	0.7761	-0.0377	1.6762	0.0612	-0.0001	0.0182	0.0794
1307	10.2	10.3	0.9375	0.7761	-0.0378	1.6758	0.0604	0.0023	0.0174	0.0801
1308	10.1	10.3	0.9367	0.776	-0.0379	1.6748	0.0644	0.0012	0.0152	0.0808
1309	10.3	10.3	0.936	0.7761	-0.0379	1.6742	0.064	-0.0019	0.0131	0.0752
1310	10.5	10.2	0.9361	0.7759	-0.0381	1.674	0.0541	-0.0131	0.0101	0.0511
1311	10.2	10.2	0.9357	0.7758	-0.0383	1.6733	0.058	-0.0169	0.012	0.0531
1312	9.92	10.2	0.9352	0.7755	-0.0385	1.6722	0.0683	-0.0148	0.0122	0.0657
1313	10.2	10.2	0.9352	0.7754	-0.0387	1.6719	0.0743	-0.0055	0.0127	0.0815
1314	10.3	10.2	0.9354	0.7752	-0.0389	1.6718	0.0756	-0.006	0.012	0.0816
1315	9.98	10.1	0.9361	0.7744	-0.039	1.6715	0.0793	-0.004	0.0132	0.0885
1316	10.1	10.1	0.9368	0.7746	-0.0392	1.6723	0.0844	-0.004	0.0141	0.0945
1317	9.77	10.1	0.9376	0.774	-0.0392	1.6725	0.0893	-0.0067	0.0135	0.0961
1318	10.2	10.1	0.9378	0.7739	-0.0392	1.6724	0.0945	-0.0125	0.0123	0.0944
1319	9.97	10.1	0.9378	0.7737	-0.0391	1.6725	0.0854	-0.0163	0.0098	0.0789
1320	10	10	0.9392	0.773	-0.0389	1.6733	0.074	-0.0162	0.009	0.0668
1321	9.9	10	0.9394	0.773	-0.0394	1.673	0.072	-0.0184	0.0112	0.0648
1322	9.86	10	0.9392	0.773	-0.0395	1.6727	0.0768	-0.0209	0.0135	0.0694
1323	10.3	9.99	0.9391	0.7732	-0.0393	1.6731	0.0752	-0.0264	0.0166	0.0654

1324	10.3	9.96	0.9394	0.7734	-0.0392	1.6736	0.0792	-0.0222	0.0179	0.0749
1325	10.1	9.98	0.9394	0.7736	-0.0391	1.6739	0.0754	-0.0205	0.0182	0.0732
1326	10.4	9.95	0.9391	0.7736	-0.0392	1.6735	0.0757	-0.0132	0.0194	0.0819
1327	9.92	9.96	0.9394	0.7731	-0.0392	1.6733	0.0872	-0.0146	0.024	0.0967
1328	9.65	9.93	0.9398	0.7726	-0.039	1.6733	0.0917	-0.0129	0.0254	0.1042
1329	9.61	9.92	0.9396	0.773	-0.039	1.6736	0.0979	-0.0137	0.0252	0.1094
1330	9.35	9.92	0.9392	0.7736	-0.039	1.6738	0.1015	-0.0036	0.025	0.1229
1331	10.2	9.91	0.9391	0.7744	-0.039	1.6744	0.1	0.0038	0.0235	0.1273
1332	9.85	9.93	0.9388	0.7743	-0.0391	1.674	0.091	0.0031	0.0215	0.1155
1333	9.75	9.91	0.9391	0.7739	-0.0391	1.6739	0.0774	0.0021	0.0191	0.0987
1334	10.3	9.9	0.9391	0.7741	-0.0391	1.6741	0.0748	0.0059	0.018	0.0987
1335	9.65	9.94	0.9393	0.7745	-0.0391	1.6747	0.0805	0.0073	0.0195	0.1073
1336	9.88	9.95	0.9396	0.7742	-0.039	1.6747	0.0918	0.0088	0.0181	0.1187
1337	9.75	9.95	0.9397	0.7741	-0.0391	1.6747	0.0885	0.0082	0.017	0.1137
1338	9.74	10	0.9402	0.7742	-0.0394	1.675	0.0849	0.0039	0.0161	0.1049
1339	9.95	10	0.9407	0.7744	-0.0393	1.6758	0.0739	0.0013	0.0144	0.0895
1340	9.8	10.1	0.9413	0.7744	-0.039	1.6766	0.0725	0.0047	0.017	0.0943
1341	10.2	10.1	0.9414	0.774	-0.0389	1.6765	0.0795	0.0036	0.0216	0.1047
1342	9.83	10.1	0.9412	0.7736	-0.0389	1.6759	0.0833	0.0088	0.0192	0.1114
1343	10.2	10.1	0.9408	0.7734	-0.0388	1.6754	0.0833	0.0162	0.0181	0.1176
1344	10.9	10.1	0.9409	0.7736	-0.0386	1.6759	0.0769	0.014	0.0165	0.1073
1345	10.6	10.1	0.9408	0.7741	-0.0386	1.6763	0.0666	0.0067	0.0146	0.0879
1346	9.91	10.1	0.9398	0.7738	-0.0386	1.675	0.065	-0.001	0.0152	0.0792
1347	10.5	10.1	0.9394	0.7739	-0.0384	1.6748	0.0635	-0.0095	0.0172	0.0712
1348	10.3	10.1	0.9394	0.7739	-0.0382	1.6751	0.0648	-0.0094	0.019	0.0744
1349	10.2	10.2	0.9392	0.7741	-0.0382	1.6751	0.0648	-0.0088	0.0186	0.0746
1350	9.87	10.2	0.9389	0.7748	-0.0384	1.6753	0.0674	-0.0117	0.0182	0.0738
1351	10.4	10.2	0.9387	0.7753	-0.0385	1.6755	0.0671	-0.018	0.0172	0.0663
1352	10.1	10.2	0.9389	0.7754	-0.0384	1.6759	0.0547	-0.0125	0.018	0.0601
1353	9.58	10.2	0.9393	0.7754	-0.0382	1.6765	0.0442	-0.0051	0.0219	0.061
1354	10	10.1	0.9396	0.7754	-0.0383	1.6767	0.0328	0.0025	0.021	0.0563
1355	10.1	10.1	0.9395	0.7763	-0.0384	1.6773	0.0308	0.0072	0.0228	0.0608
1356	10.3	10.1	0.9395	0.776	-0.0384	1.677	0.0305	0.0126	0.0224	0.0654
1357	10	10.1	0.9395	0.7759	-0.0381	1.6773	0.0308	0.011	0.0224	0.0642
1358	10.3	10.1	0.9393	0.7763	-0.038	1.6776	0.0276	0.0081	0.0224	0.0581
1359	9.58	10.1	0.9397	0.7765	-0.0381	1.678	0.0145	0.0099	0.022	0.0463
1360	10.3	10.1	0.9391	0.7765	-0.0382	1.6773	0.0067	0.0135	0.0221	0.0423

1361	9.82	10.1	0.9385	0.776	-0.0384	1.6762	0.0058	0.0133	0.0197	0.0388
1362	10.1	10.1	0.9377	0.7758	-0.0386	1.675	-0.0004	0.0136	0.0188	0.0321
1363	10.6	10.1	0.937	0.776	-0.0385	1.6744	-0.0051	0.0104	0.0185	0.0238
1364	10.3	10.1	0.9362	0.7758	-0.0386	1.6734	-0.0072	0.0157	0.0173	0.0258
1365	10.2	10.1	0.9354	0.7757	-0.0386	1.6725	-0.0076	0.0154	0.0164	0.0242
1366	10.1	10.1	0.9347	0.7757	-0.0386	1.6718	0.0002	0.0053	0.015	0.0205
1367	9.74	10.1	0.9339	0.7759	-0.0388	1.671	0.0078	0.0092	0.0122	0.0291
1368	10.1	10.1	0.9339	0.7761	-0.0388	1.6712	0.0125	0.0069	0.012	0.0314
1369	10.3	10.1	0.9343	0.7761	-0.0388	1.6716	0.0174	0.0068	0.0112	0.0353
1370	9.96	10.1	0.9344	0.7762	-0.0388	1.6718	0.0235	0.0028	0.0112	0.0375
1371	10.2	10.1	0.9345	0.7766	-0.0387	1.6724	0.0447	-0.0049	0.0135	0.0533
1372	9.99	10.1	0.9347	0.7768	-0.0386	1.6729	0.0528	-0.0087	0.01	0.0541
1373	10.1	10.1	0.9342	0.777	-0.0386	1.6726	0.0552	-0.0057	0.0116	0.061
1374	10.5	10.1	0.9339	0.7768	-0.0387	1.672	0.0585	-0.0068	0.0146	0.0663
1375	10.2	10	0.9333	0.7766	-0.0388	1.6711	0.0612	-0.0093	0.0157	0.0677
1376	10.2	10.1	0.9325	0.7769	-0.039	1.6704	0.0593	-0.0047	0.0143	0.069
1377	9.84	10.1	0.9321	0.7766	-0.0391	1.6697	0.0573	-0.0049	0.0109	0.0634
1378	10.1	10.1	0.9321	0.7768	-0.0392	1.6696	0.0603	-0.0034	0.0107	0.0676
1379	10.2	10.1	0.9322	0.7762	-0.0393	1.6691	0.0598	-0.0166	0.0136	0.0568
1380	9.99	10.1	0.9325	0.7758	-0.0392	1.6691	0.0633	-0.0054	0.015	0.0729
1381	9.76	10.1	0.9329	0.776	-0.0393	1.6696	0.0589	0.0106	0.0148	0.0843
1382	9.79	10.1	0.9332	0.7764	-0.0393	1.6704	0.0563	0.0135	0.014	0.0837
1383	10.1	10.1	0.9329	0.7762	-0.039	1.67	0.0553	0.0133	0.0137	0.0822
1384	9.66	10.1	0.9321	0.7764	-0.0392	1.6693	0.0596	0.0126	0.0166	0.0888
1385	10.5	10.1	0.931	0.776	-0.0394	1.6676	0.0578	0.0146	0.0188	0.0912
1386	9.91	10	0.9309	0.7755	-0.0394	1.667	0.0566	0.0153	0.0175	0.0894
1387	10.2	10.1	0.9306	0.7758	-0.0394	1.6671	0.0537	0.0088	0.0182	0.0807
1388	10.2	10.1	0.9308	0.7758	-0.0393	1.6672	0.0464	0.0096	0.0162	0.0722
1389	10.8	10	0.9307	0.7758	-0.0396	1.6668	0.0479	0.0133	0.0111	0.0724
1390	10.4	10	0.9303	0.7754	-0.04	1.6657	0.0528	0.0176	0.0125	0.0829
1391	9.91	10	0.9309	0.7749	-0.0399	1.6659	0.0586	0.0197	0.016	0.0943
1392	9.99	10	0.9312	0.7743	-0.0399	1.6656	0.0644	0.0178	0.0151	0.0972
1393	10.1	10	0.9318	0.7739	-0.0396	1.6661	0.0651	0.0129	0.0151	0.0931
1394	9.82	10	0.9324	0.7736	-0.0396	1.6664	0.0588	0.013	0.0177	0.0894
1395	9.56	9.98	0.9324	0.7739	-0.0397	1.6666	0.0531	0.0137	0.0176	0.0843
1396	10.3	9.96	0.9324	0.7739	-0.0398	1.6665	0.0487	0.0176	0.0163	0.0826
1397	10.2	9.93	0.9327	0.7735	-0.0398	1.6665	0.0438	0.0164	0.0171	0.0773

1398	9.56	9.91	0.9331	0.7736	-0.0399	1.6669	0.0416	0.0244	0.0185	0.0845
1399	10.3	9.85	0.9331	0.774	-0.04	1.6671	0.0422	0.0238	0.021	0.087
1400	9.25	9.81	0.9335	0.7746	-0.04	1.6682	0.0406	0.0215	0.0218	0.084
1401	10	9.81	0.9342	0.7746	-0.04	1.6688	0.0379	0.0247	0.0212	0.0838
1402	9.65	9.79	0.9345	0.7743	-0.0401	1.6688	0.0427	0.0341	0.0214	0.0982
1403	10.1	9.78	0.9347	0.7743	-0.0402	1.6688	0.0466	0.0369	0.0238	0.1074
1404	9.65	9.77	0.9348	0.7745	-0.0402	1.6691	0.0531	0.0318	0.0256	0.1105
1405	9.49	9.79	0.9349	0.7746	-0.04	1.6695	0.0539	0.0308	0.0262	0.1109
1406	9.5	9.74	0.9348	0.775	-0.0399	1.6698	0.0525	0.0442	0.0225	0.1192
1407	9.8	9.73	0.9348	0.7753	-0.04	1.67	0.0615	0.0503	0.0227	0.1344
1408	9.7	9.74	0.9352	0.775	-0.0401	1.6702	0.0718	0.0498	0.0235	0.1451
1409	9.62	9.72	0.9353	0.7747	-0.0401	1.67	0.0763	0.0505	0.0242	0.151
1410	9.96	9.73	0.9355	0.7746	-0.04	1.6701	0.0862	0.0436	0.0242	0.1541
1411	9.57	9.71	0.9358	0.7745	-0.0402	1.6701	0.0832	0.0451	0.0246	0.1529
1412	9.88	9.7	0.9357	0.7744	-0.0404	1.6698	0.0753	0.0438	0.0249	0.144
1413	9.65	9.69	0.9359	0.7738	-0.0404	1.6693	0.0616	0.0488	0.0238	0.1342
1414	9.96	9.71	0.9362	0.7737	-0.0405	1.6694	0.0517	0.0542	0.0247	0.1306
1415	9.33	9.75	0.9361	0.7738	-0.0405	1.6694	0.0426	0.0663	0.0243	0.1332
1416	9.98	9.77	0.9361	0.7737	-0.0404	1.6694	0.0356	0.0701	0.0257	0.1314
1417	9.71	9.75	0.9364	0.7734	-0.0404	1.6693	0.022	0.0743	0.0251	0.1215
1418	9.8	9.71	0.936	0.7732	-0.0403	1.6689	0.007	0.0824	0.0234	0.1128
1419	9.42	9.7	0.9355	0.7735	-0.0402	1.6687	-0.0003	0.0872	0.0239	0.1109
1420	9.63	9.7	0.9347	0.7735	-0.0403	1.668	-0.0027	0.0923	0.025	0.1145
1421	9.6	9.71	0.9341	0.7739	-0.0404	1.6676	-0.0013	0.0942	0.0241	0.117
1422	9.76	9.68	0.9336	0.7736	-0.0406	1.6666	0.0079	0.093	0.0257	0.1266
1423	10.1	9.65	0.9333	0.7739	-0.0408	1.6664	0.0154	0.0929	0.0255	0.1337
1424	10.3	9.62	0.9333	0.7743	-0.0407	1.6669	0.0123	0.094	0.0243	0.1306
1425	9.78	9.63	0.9335	0.774	-0.0405	1.667	0.01	0.0908	0.0254	0.1263
1426	9.38	9.61	0.9334	0.774	-0.0403	1.6671	0.004	0.0909	0.0271	0.122
1427	9.07	9.61	0.9334	0.7735	-0.0403	1.6666	-0.0012	0.0972	0.026	0.1221
1428	9.29	9.61	0.9338	0.7742	-0.0404	1.6676	0.0009	0.0998	0.026	0.1266
1429	10	9.63	0.9333	0.7735	-0.0405	1.6663	0.0061	0.1036	0.0253	0.135
1430	9.75	9.63	0.9333	0.7725	-0.0405	1.6654	0.0087	0.0981	0.025	0.1318
1431	9.28	9.63	0.9335	0.773	-0.0404	1.6661	0.0125	0.099	0.0247	0.1362
1432	9.1	9.61	0.9333	0.773	-0.0405	1.6658	0.0153	0.1033	0.0229	0.1415
1433	9.47	9.61	0.9331	0.7726	-0.0408	1.665	0.0174	0.1009	0.0244	0.1427
1434	9.52	9.62	0.9333	0.7726	-0.041	1.665	0.0101	0.0978	0.0255	0.1335

1435	9.57	9.64	0.9337	0.773	-0.0409	1.6657	0.0019	0.0938	0.0245	0.1203
1436	9.66	9.69	0.9342	0.7733	-0.0409	1.6666	-0.0037	0.0944	0.024	0.1147
1437	9.81	9.73	0.9351	0.7731	-0.0408	1.6674	-0.0022	0.0941	0.0235	0.1155
1438	9.75	9.74	0.9354	0.7728	-0.0405	1.6677	-0.0025	0.1006	0.0251	0.1231
1439	9.72	9.72	0.9354	0.7727	-0.0406	1.6675	0.0004	0.1012	0.0265	0.1281
1440	9.59	9.73	0.9354	0.7724	-0.0406	1.6672	0	0.1042	0.0259	0.13
1441	9.34	9.76	0.9349	0.7723	-0.0404	1.6668	0.0013	0.1021	0.0238	0.1272
1442	10.2	9.8	0.9347	0.7723	-0.0404	1.6666	0.016	0.0972	0.0234	0.1366
1443	10.5	9.82	0.935	0.7721	-0.0406	1.6665	0.0184	0.0897	0.0219	0.13
1444	10.1	9.82	0.9356	0.7723	-0.0404	1.6675	0.0233	0.0875	0.024	0.1348
1445	10.4	9.85	0.9359	0.7724	-0.0402	1.668	0.0289	0.0865	0.0261	0.1415
1446	9.91	9.86	0.9355	0.7721	-0.0403	1.6673	0.0176	0.0984	0.0254	0.1413
1447	9.45	9.89	0.9352	0.7714	-0.0403	1.6664	0.0209	0.1015	0.0233	0.1457
1448	9.63	9.88	0.9352	0.7715	-0.0403	1.6664	0.0218	0.0971	0.022	0.1409
1449	9.91	9.93	0.9351	0.772	-0.0404	1.6667	0.0201	0.1025	0.021	0.1436
1450	9.89	9.98	0.9351	0.7723	-0.0405	1.6669	0.0169	0.1121	0.0189	0.1479
1451	9.87	10	0.9344	0.7719	-0.0406	1.6657	0.022	0.1181	0.0183	0.1583
1452	9.76	10	0.9342	0.7717	-0.0408	1.6652	0.0366	0.1124	0.0196	0.1686
1453	9.62	9.99	0.934	0.7722	-0.0408	1.6654	0.0443	0.1097	0.0194	0.1734
1454	10.1	9.97	0.9342	0.7723	-0.0409	1.6656	0.0472	0.1085	0.018	0.1737
1455	9.88	9.95	0.9342	0.7719	-0.0407	1.6654	0.051	0.1038	0.0183	0.1731
1456	10.3	9.97	0.9333	0.771	-0.0407	1.6636	0.059	0.0999	0.0204	0.1792
1457	9.7	10	0.9323	0.771	-0.0405	1.6628	0.0629	0.1043	0.0216	0.1887
1458	10.5	10	0.9317	0.7713	-0.0404	1.6625	0.0613	0.1049	0.021	0.1872
1459	10.6	10	0.9311	0.7721	-0.0405	1.6626	0.0662	0.1	0.0204	0.1866
1460	10.3	10	0.9307	0.772	-0.0407	1.6621	0.0664	0.0958	0.02	0.1822
1461	10.3	10	0.931	0.7716	-0.0408	1.6618	0.0642	0.0923	0.0197	0.1763
1462	9.68	10	0.9316	0.7709	-0.041	1.6616	0.0576	0.0943	0.0143	0.1661
1463	9.53	10.1	0.9318	0.7706	-0.041	1.6614	0.0563	0.0956	0.0114	0.1632
1464	10	10.1	0.9319	0.7692	-0.0411	1.66	0.0593	0.0921	0.0124	0.1638
1465	10.3	10.1	0.9319	0.7687	-0.0412	1.6594	0.0634	0.0903	0.013	0.1667
1466	10.5	10.1	0.9325	0.7683	-0.0411	1.6597	0.0631	0.0944	0.0142	0.1717
1467	9.92	10.1	0.9332	0.7676	-0.0411	1.6598	0.0662	0.0994	0.017	0.1826
1468	9.89	10.1	0.934	0.7674	-0.0412	1.6601	0.0672	0.0993	0.0174	0.1839
1469	9.7	10.1	0.9346	0.7668	-0.0413	1.6602	0.0638	0.0965	0.0198	0.1801
1470	9.89	10.1	0.9345	0.7668	-0.0412	1.6601	0.0607	0.1035	0.0222	0.1865
1471	9.98	10	0.9337	0.7673	-0.0413	1.6597	0.0545	0.1052	0.0197	0.1794

1472	9.85	10.1	0.9332	0.7676	-0.0412	1.6596	0.0509	0.1078	0.0168	0.1754
1473	10.3	10.1	0.933	0.7676	-0.041	1.6596	0.0488	0.1001	0.0131	0.162
1474	10.7	10.1	0.9329	0.7677	-0.0413	1.6594	0.0504	0.1042	0.0113	0.1659
1475	10.3	10.1	0.9329	0.7676	-0.0415	1.6589	0.0588	0.1105	0.0153	0.1845
1476	9.93	10.1	0.9326	0.7672	-0.0416	1.6582	0.0645	0.1124	0.0205	0.1974
1477	10	10.2	0.932	0.7667	-0.0417	1.657	0.0662	0.1119	0.0228	0.201
1478	10.1	10.2	0.9315	0.7664	-0.0418	1.6561	0.072	0.1074	0.025	0.2044
1479	10.1	10.2	0.9313	0.7664	-0.0418	1.6559	0.0756	0.1176	0.0238	0.217
1480	10.1	10.3	0.9312	0.7659	-0.0417	1.6554	0.0687	0.1115	0.0222	0.2024
1481	9.93	10.3	0.9314	0.7657	-0.0416	1.6554	0.0641	0.1093	0.0229	0.1962
1482	9.84	10.3	0.9315	0.7663	-0.0417	1.6561	0.0658	0.112	0.0226	0.2004
1483	10.4	10.3	0.9319	0.7664	-0.0416	1.6567	0.0677	0.1082	0.0213	0.1972
1484	10.5	10.3	0.9319	0.767	-0.0416	1.6573	0.0725	0.1076	0.0189	0.199
1485	10.9	10.4	0.9314	0.7666	-0.0418	1.6561	0.0825	0.1094	0.0176	0.2094
1486	10.7	10.4	0.9311	0.766	-0.0418	1.6554	0.0886	0.1122	0.0191	0.2199
1487	10.4	10.4	0.9309	0.7658	-0.0419	1.6548	0.0936	0.1224	0.0194	0.2354
1488	10.6	10.4	0.9308	0.7656	-0.042	1.6544	0.1015	0.1231	0.0212	0.2458
1489	10.3	10.4	0.9307	0.7653	-0.0422	1.6538	0.1065	0.1163	0.0268	0.2496
1490	10.8	10.5	0.9302	0.7652	-0.0424	1.653	0.1079	0.1169	0.0263	0.2511
1491	10.4	10.5	0.9293	0.7652	-0.0423	1.6522	0.108	0.1163	0.026	0.2503
1492	10.6	10.5	0.9293	0.7653	-0.0421	1.6526	0.1024	0.116	0.0239	0.2424
1493	10.5	10.4	0.9294	0.7652	-0.042	1.6526	0.1054	0.1163	0.0239	0.2456
1494	11.1	10.4	0.9295	0.7649	-0.0422	1.6522	0.109	0.1156	0.0222	0.2469
1495	10.2	10.4	0.9307	0.764	-0.0422	1.6525	0.1104	0.1179	0.0244	0.2527
1496	10.7	10.3	0.9303	0.7638	-0.0421	1.652	0.1042	0.1238	0.0261	0.2541
1497	10.2	10.3	0.9305	0.7638	-0.042	1.6524	0.0955	0.1163	0.0256	0.2374
1498	10.6	10.3	0.9311	0.7634	-0.042	1.6525	0.0994	0.1086	0.0245	0.2326
1499	10.3	10.3	0.9314	0.7628	-0.0419	1.6524	0.1069	0.1094	0.0231	0.2394
1500	9.85	10.3	0.9313	0.7628	-0.0418	1.6523	0.1144	0.1085	0.0219	0.2449
1501	10	10.2	0.9306	0.7634	-0.042	1.652	0.1205	0.1066	0.0238	0.2509
1502	9.9	10.2	0.9301	0.7634	-0.0421	1.6514	0.116	0.1034	0.0242	0.2436
1503	9.93	10.2	0.93	0.7634	-0.042	1.6514	0.114	0.1026	0.0232	0.2399
1504	10.1	10.1	0.9297	0.7641	-0.042	1.6518	0.1152	0.1051	0.023	0.2432
1505	10.1	10.2	0.929	0.7646	-0.0421	1.6516	0.1154	0.1043	0.0205	0.2403
1506	10.2	10.2	0.9285	0.7645	-0.0421	1.6509	0.115	0.1008	0.0194	0.2352
1507	9.95	10.2	0.9286	0.7648	-0.0421	1.6513	0.1026	0.0987	0.0191	0.2204
1508	10.5	10.2	0.9286	0.765	-0.0421	1.6515	0.0882	0.0982	0.0221	0.2085

1509	10.1	10.1	0.9287	0.7651	-0.0421	1.6517	0.0796	0.1053	0.0229	0.2078
1510	9.75	10.2	0.9291	0.7653	-0.042	1.6524	0.071	0.1138	0.0227	0.2076
1511	10.1	10.2	0.93	0.765	-0.0416	1.6535	0.0582	0.1226	0.0215	0.2024
1512	9.95	10.2	0.9301	0.7649	-0.0415	1.6535	0.0569	0.1285	0.0206	0.2059
1513	10.3	10.3	0.93	0.7646	-0.0416	1.6529	0.0601	0.1253	0.0195	0.2048
1514	10.9	10.3	0.9299	0.7646	-0.0418	1.6527	0.0583	0.121	0.0199	0.1991
1515	10.7	10.3	0.9298	0.7644	-0.0419	1.6523	0.0543	0.1108	0.0213	0.1864
1516	10.4	10.3	0.9294	0.7638	-0.0421	1.6511	0.046	0.1085	0.0201	0.1746
1517	10.1	10.3	0.9296	0.7634	-0.0421	1.6509	0.0485	0.1049	0.0198	0.1732
1518	9.93	10.3	0.9297	0.7635	-0.0423	1.6509	0.0531	0.103	0.02	0.1761
1519	10.2	10.3	0.9294	0.7631	-0.0424	1.6501	0.0549	0.1045	0.0175	0.1769
1520	10.5	10.3	0.9292	0.763	-0.0422	1.65	0.0566	0.0991	0.016	0.1717
1521	10.6	10.3	0.929	0.7631	-0.042	1.6501	0.0498	0.0994	0.016	0.1652
1522	10.9	10.3	0.9288	0.7636	-0.0419	1.6504	0.04	0.1084	0.0161	0.1646
1523	10.4	10.3	0.9282	0.7635	-0.0419	1.6498	0.0389	0.11	0.0205	0.1694
1524	10.3	10.3	0.9274	0.7633	-0.0423	1.6484	0.0419	0.1113	0.0227	0.1759
1525	9.82	10.2	0.927	0.7628	-0.0426	1.6472	0.037	0.1154	0.0207	0.1731
1526	10.5	10.2	0.9268	0.7628	-0.0426	1.647	0.0405	0.1168	0.0188	0.1761
1527	9.98	10.2	0.9262	0.7627	-0.0428	1.6461	0.0423	0.1175	0.0193	0.1791
1528	10.7	10.2	0.9262	0.7625	-0.0428	1.6459	0.0344	0.1141	0.0205	0.169
1529	10.2	10.2	0.9264	0.7624	-0.0427	1.6461	0.0275	0.1089	0.0209	0.1573
1530	10.4	10.2	0.9269	0.7616	-0.0428	1.6458	0.0231	0.1131	0.0211	0.1573
1531	9.85	10.2	0.9269	0.7618	-0.0427	1.646	0.019	0.1121	0.0228	0.1539
1532	9.83	10.2	0.9265	0.7622	-0.0426	1.6461	0.0232	0.1075	0.0239	0.1546
1533	9.82	10.1	0.9259	0.7618	-0.0427	1.6451	0.0267	0.1099	0.023	0.1596
1534	9.82	10.1	0.9251	0.7617	-0.0428	1.644	0.0335	0.1077	0.0232	0.1643
1535	9.88	10.2	0.9248	0.7618	-0.0428	1.6438	0.0396	0.1198	0.0228	0.1822
1536	10.4	10.2	0.9249	0.761	-0.0428	1.6431	0.0365	0.1189	0.0202	0.1757
1537	10.4	10.2	0.9249	0.7608	-0.0429	1.6429	0.031	0.118	0.0204	0.1693
1538	9.77	10.2	0.9247	0.7612	-0.0432	1.6428	0.0204	0.1163	0.0167	0.1534
1539	10.4	10.2	0.9246	0.761	-0.0432	1.6424	0.0073	0.1148	0.0128	0.1349
1540	10.5	10.2	0.9246	0.7607	-0.0432	1.6422	-0.0005	0.1118	0.0088	0.1201
1541	10.1	10.2	0.9247	0.7607	-0.0428	1.6425	-0.0083	0.1104	0.0071	0.1092
1542	9.98	10.2	0.9242	0.7607	-0.0428	1.6421	-0.0194	0.1062	0.0092	0.0961
1543	10.4	10.3	0.9241	0.7605	-0.0428	1.6418	-0.0245	0.1082	0.0119	0.0956
1544	10.3	10.3	0.9245	0.7605	-0.0428	1.6422	-0.028	0.1075	0.0136	0.093
1545	10.1	10.4	0.9255	0.76	-0.0428	1.6426	-0.0323	0.1014	0.0123	0.0815

1546	10.7	10.4	0.9259	0.7605	-0.0429	1.6436	-0.0242	0.0928	0.0113	0.08
1547	10.4	10.5	0.9253	0.7606	-0.0428	1.6431	-0.0341	0.091	0.012	0.0689
1548	10.2	10.5	0.9245	0.7606	-0.0426	1.6424	-0.0345	0.0926	0.0138	0.0719
1549	10.2	10.5	0.9237	0.7611	-0.0426	1.6422	-0.0215	0.0847	0.015	0.0782
1550	10.3	10.5	0.923	0.7617	-0.0429	1.6418	-0.0082	0.0767	0.0172	0.0857
1551	10.6	10.5	0.9228	0.7616	-0.0431	1.6414	-0.0068	0.0776	0.0199	0.0906
1552	10.9	10.5	0.9228	0.7615	-0.0431	1.6412	-0.0125	0.0755	0.0213	0.0843
1553	10.6	10.5	0.9225	0.7617	-0.0431	1.6411	-0.019	0.0777	0.0202	0.079
1554	11.3	10.5	0.9226	0.7619	-0.0429	1.6416	-0.019	0.0817	0.0197	0.0825
1555	11.1	10.5	0.9227	0.7618	-0.0426	1.6418	-0.018	0.0918	0.019	0.0928
1556	11	10.5	0.9231	0.7611	-0.0426	1.6416	-0.0252	0.0983	0.0188	0.0919
1557	10.4	10.5	0.9235	0.7611	-0.0427	1.6419	-0.0317	0.0963	0.019	0.0836
1558	9.97	10.5	0.9237	0.7608	-0.0427	1.6418	-0.0276	0.1006	0.0201	0.0931
1559	10	10.6	0.924	0.7607	-0.0428	1.6419	-0.0275	0.1074	0.0228	0.1027
1560	10	10.6	0.9249	0.7597	-0.0428	1.6418	-0.0264	0.1149	0.0247	0.1132
1561	10.6	10.6	0.9253	0.7588	-0.0429	1.6412	-0.022	0.1205	0.0253	0.1237
1562	10.9	10.6	0.9255	0.7584	-0.0429	1.6411	-0.0121	0.1204	0.0291	0.1373
1563	10.6	10.6	0.926	0.7585	-0.043	1.6415	-0.012	0.123	0.0299	0.1408
1564	10.5	10.6	0.9265	0.7581	-0.0432	1.6414	-0.0125	0.1173	0.0295	0.1344
1565	10.6	10.6	0.9273	0.7578	-0.0432	1.6419	-0.0135	0.1168	0.03	0.1333
1566	10.4	10.6	0.9277	0.7578	-0.0431	1.6424	-0.0161	0.1177	0.0278	0.1294
1567	10.3	10.6	0.9279	0.7573	-0.0431	1.6421	-0.0177	0.1131	0.0248	0.1202
1568	10.9	10.6	0.9285	0.7569	-0.0429	1.6424	-0.011	0.1093	0.0233	0.1216
1569	10.6	10.6	0.9289	0.7569	-0.0429	1.643	-0.0065	0.1078	0.0211	0.1224
1570	10.9	10.7	0.9295	0.7569	-0.0428	1.6436	-0.0039	0.1033	0.0204	0.1197
1571	11.1	10.7	0.9297	0.7565	-0.0429	1.6433	-0.0044	0.1015	0.024	0.121
1572	10.5	10.7	0.9293	0.7565	-0.0432	1.6426	-0.0069	0.0948	0.0277	0.1155
1573	10.9	10.7	0.9288	0.7565	-0.0433	1.642	-0.0119	0.0992	0.0281	0.1155
1574	11.1	10.7	0.9292	0.7562	-0.0433	1.6421	-0.025	0.0977	0.0274	0.1
1575	10.3	10.7	0.9288	0.7559	-0.0434	1.6413	-0.036	0.095	0.0228	0.0817
1576	10.7	10.7	0.9284	0.7554	-0.0435	1.6403	-0.046	0.091	0.0199	0.065
1577	10.7	10.7	0.9286	0.7553	-0.0437	1.6401	-0.0468	0.0937	0.02	0.0669
1578	10.6	10.7	0.9287	0.7555	-0.0439	1.6404	-0.0483	0.0946	0.0162	0.0624
1579	10.9	10.7	0.929	0.755	-0.0439	1.6401	-0.0439	0.0961	0.0152	0.0673
1580	11.2	10.7	0.9293	0.7547	-0.044	1.6401	-0.0439	0.0969	0.0158	0.0688
1581	10.8	10.6	0.9291	0.7549	-0.044	1.64	-0.0432	0.0879	0.0153	0.0601
1582	10.5	10.6	0.9288	0.7553	-0.044	1.6402	-0.0479	0.092	0.0164	0.0604

1583	10.1	10.6	0.9286	0.7556	-0.0439	1.6403	-0.0558	0.0963	0.017	0.0575
1584	11	10.6	0.928	0.755	-0.0439	1.6391	-0.067	0.0916	0.0162	0.0407
1585	10.9	10.6	0.9277	0.7547	-0.0438	1.6386	-0.0811	0.0904	0.0156	0.0249
1586	10.2	10.6	0.928	0.7542	-0.0438	1.6385	-0.0875	0.0914	0.0175	0.0214
1587	10.4	10.6	0.9288	0.7542	-0.0436	1.6394	-0.0824	0.0836	0.018	0.0192
1588	10.7	10.6	0.93	0.7542	-0.0433	1.6409	-0.072	0.0758	0.0154	0.0192
1589	10.3	10.6	0.9307	0.7542	-0.0431	1.6418	-0.0629	0.0733	0.0115	0.0219
1590	10.3	10.6	0.931	0.7541	-0.0431	1.6421	-0.0602	0.0656	0.0088	0.0142
1591	10.4	10.6	0.9312	0.7546	-0.0432	1.6426	-0.06	0.0612	0.0088	0.01
1592	10.7	10.6	0.9318	0.7545	-0.0432	1.643	-0.0567	0.0592	0.0113	0.0138
1593	10.8	10.6	0.9322	0.7545	-0.0434	1.6433	-0.0641	0.0633	0.0119	0.0112
1594	10.9	10.6	0.9327	0.7548	-0.0434	1.6441	-0.0693	0.0587	0.013	0.0023
1595	10.8	10.6	0.9331	0.7547	-0.0433	1.6445	-0.0703	0.0542	0.0149	-0.0011
1596	10.7	10.7	0.9337	0.7546	-0.0433	1.6451	-0.0569	0.0489	0.0137	0.0056
1597	10.6	10.7	0.934	0.7546	-0.0434	1.6452	-0.0432	0.0487	0.0134	0.019
1598	11	10.7	0.9333	0.7549	-0.0435	1.6447	-0.0419	0.0435	0.0142	0.0158
1599	10.2	10.7	0.9322	0.7551	-0.0436	1.6438	-0.0438	0.0447	0.0153	0.0161
1600	10.5	10.8	0.932	0.7551	-0.0438	1.6433	-0.0436	0.0477	0.0159	0.0201
1601	11.2	10.8	0.9318	0.7558	-0.0441	1.6436	-0.0473	0.0519	0.0137	0.0183
1602	10.8	10.8	0.932	0.7556	-0.0441	1.6435	-0.0475	0.0518	0.014	0.0182
1603	10.4	10.7	0.9319	0.7553	-0.044	1.6432	-0.0476	0.0463	0.015	0.0136
1604	10.8	10.7	0.9315	0.7549	-0.0439	1.6426	-0.0523	0.0489	0.0157	0.0124
1605	11.1	10.7	0.9316	0.7548	-0.0439	1.6424	-0.0509	0.0548	0.0183	0.0223
1606	11.2	10.7	0.9317	0.7549	-0.044	1.6426	-0.0484	0.0534	0.0224	0.0275
1607	11.2	10.7	0.9314	0.7547	-0.0441	1.642	-0.0406	0.0508	0.023	0.0332
1608	10.8	10.7	0.9314	0.7543	-0.0444	1.6413	-0.0379	0.0558	0.0239	0.0419
1609	10.8	10.7	0.9313	0.7536	-0.0446	1.6404	-0.0359	0.0501	0.0239	0.0381
1610	10.3	10.7	0.9313	0.7533	-0.0445	1.6401	-0.0342	0.0519	0.0232	0.0409
1611	10.3	10.6	0.9312	0.753	-0.0445	1.6397	-0.0227	0.0452	0.0248	0.0473
1612	10.7	10.6	0.9313	0.7526	-0.0445	1.6394	-0.0248	0.0375	0.024	0.0367
1613	10.3	10.5	0.9312	0.7528	-0.0446	1.6394	-0.0307	0.032	0.0243	0.0256
1614	10.9	10.5	0.9312	0.7529	-0.0448	1.6394	-0.0289	0.0342	0.0234	0.0287
1615	10.8	10.4	0.9314	0.7526	-0.0447	1.6393	-0.0247	0.0338	0.02	0.0291
1616	10.2	10.3	0.9312	0.7525	-0.0446	1.6391	-0.0227	0.0302	0.0192	0.0267
1617	10.2	10.3	0.9307	0.7525	-0.0445	1.6388	-0.0256	0.0253	0.019	0.0187
1618	10.7	10.2	0.9303	0.7527	-0.0444	1.6387	-0.0259	0.0209	0.0196	0.0147
1619	10.4	10.1	0.9298	0.7528	-0.0444	1.6381	-0.0216	0.0197	0.0216	0.0196

1620	9.7	10.1	0.9297	0.7529	-0.0446	1.6379	-0.0198	0.0149	0.0227	0.0178
1621	9.83	10.1	0.9297	0.7536	-0.0448	1.6385	-0.0178	0.0177	0.0239	0.0239
1622	10.1	10	0.9299	0.7536	-0.0447	1.6388	-0.0162	0.0151	0.0222	0.0211
1623	9.85	9.99	0.9307	0.7537	-0.0446	1.6398	-0.0213	0.0179	0.0208	0.0174
1624	9.71	9.94	0.931	0.7538	-0.0445	1.6403	-0.0262	0.0166	0.022	0.0124
1625	9.65	9.91	0.9316	0.7537	-0.0446	1.6407	-0.0268	0.0123	0.0198	0.0053
1626	9.57	9.86	0.9315	0.7535	-0.0446	1.6403	-0.034	0.0089	0.0189	-0.0062
1627	9.2	9.82	0.931	0.7533	-0.0444	1.6399	-0.0392	0.0083	0.0181	-0.0127
1628	9.95	9.77	0.9306	0.7529	-0.0443	1.6392	-0.0368	0.0048	0.0136	-0.0184
1629	9.61	9.73	0.9308	0.7527	-0.0443	1.6392	-0.0355	0.0043	0.0104	-0.0208
1630	10.3	9.72	0.9312	0.7528	-0.0443	1.6398	-0.0301	-0.0022	0.0084	-0.024
1631	9.61	9.7	0.9317	0.7526	-0.0443	1.64	-0.0214	0.0003	0.0104	-0.0107
1632	9.53	9.65	0.9321	0.7525	-0.0443	1.6403	-0.0143	0.0037	0.0141	0.0035
1633	9.92	9.64	0.9326	0.7527	-0.0443	1.641	-0.0127	0.0105	0.0156	0.0134
1634	10.2	9.61	0.9332	0.7527	-0.0443	1.6415	-0.0105	0.009	0.0161	0.0146
1635	9.24	9.59	0.9335	0.7526	-0.0445	1.6416	-0.0113	0.0008	0.0168	0.0063
1636	9.51	9.57	0.9331	0.7527	-0.0446	1.6412	-0.0146	-0.0054	0.0188	-0.0012
1637	9.68	9.58	0.9321	0.7533	-0.0444	1.6409	-0.0172	-0.01	0.0182	-0.0091
1638	9.59	9.57	0.931	0.7539	-0.0443	1.6406	-0.0195	-0.012	0.0203	-0.0112
1639	9.54	9.53	0.9306	0.7544	-0.0441	1.641	-0.0117	-0.0148	0.0203	-0.0063
1640	9.42	9.49	0.9306	0.7546	-0.0441	1.6412	-0.0051	-0.0154	0.0199	-0.0005
1641	9.18	9.51	0.9303	0.7547	-0.0439	1.6412	-0.0028	-0.021	0.017	-0.0069
1642	9.61	9.53	0.9306	0.7544	-0.044	1.641	0.0019	-0.0175	0.0145	-0.0011
1643	9.22	9.52	0.931	0.7546	-0.0441	1.6415	0.0138	-0.0189	0.0158	0.0108
1644	9.3	9.48	0.9316	0.755	-0.0443	1.6423	0.0249	-0.0203	0.0162	0.0208
1645	9.17	9.51	0.9312	0.7551	-0.0442	1.6421	0.0341	-0.02	0.0174	0.0316
1646	9.43	9.52	0.9302	0.7556	-0.0442	1.6417	0.0375	-0.0206	0.0192	0.0361
1647	9.67	9.51	0.9295	0.7562	-0.0442	1.6415	0.042	-0.023	0.0211	0.0402
1648	8.96	9.52	0.9289	0.7561	-0.0441	1.6408	0.0425	-0.0245	0.0225	0.0405
1649	9.52	9.53	0.928	0.7564	-0.0442	1.6402	0.0342	-0.0193	0.0221	0.037
1650	10.1	9.55	0.9278	0.7565	-0.0442	1.64	0.0297	-0.0065	0.021	0.0442
1651	9.83	9.55	0.9276	0.7564	-0.0445	1.6395	0.0315	-0.0021	0.0189	0.0482
1652	9.75	9.54	0.9276	0.7569	-0.0446	1.6398	0.0321	0.0039	0.0151	0.0511
1653	9.47	9.58	0.9277	0.7568	-0.0447	1.6398	0.0281	-0.0075	0.0122	0.0328
1654	9.74	9.59	0.9277	0.7564	-0.0448	1.6394	0.0295	-0.0153	0.0143	0.0286
1655	9.7	9.61	0.9275	0.7564	-0.0449	1.6391	0.0339	-0.0115	0.0163	0.0387
1656	9.59	9.6	0.9271	0.756	-0.0449	1.6382	0.038	-0.0157	0.0176	0.0399

1657	9.64	9.58	0.9273	0.7556	-0.0451	1.6378	0.0398	-0.0202	0.0181	0.0376
1658	9.81	9.57	0.9273	0.7557	-0.0451	1.6379	0.0322	-0.0129	0.0206	0.0399
1659	9.73	9.55	0.9274	0.7555	-0.0451	1.6378	0.0219	-0.0126	0.0184	0.0278
1660	9.21	9.51	0.9272	0.7552	-0.0453	1.6371	0.0076	-0.0104	0.0149	0.012
1661	9.48	9.47	0.9278	0.755	-0.0453	1.6375	-0.0036	-0.0089	0.0147	0.0022
1662	9.91	9.47	0.9286	0.7552	-0.0453	1.6385	-0.0092	-0.0126	0.0138	-0.008
1663	9.56	9.46	0.9289	0.755	-0.0453	1.6386	-0.0134	-0.0149	0.013	-0.0153
1664	9.45	9.44	0.929	0.7547	-0.0452	1.6385	-0.0188	-0.0083	0.012	-0.015
1665	9.35	9.43	0.9295	0.7548	-0.0451	1.6393	-0.0239	-0.0076	0.01	-0.0215
1666	9.18	9.42	0.9302	0.7553	-0.045	1.6405	-0.0274	-0.0129	0.0102	-0.0301
1667	8.93	9.39	0.9305	0.7552	-0.0451	1.6407	-0.0326	-0.0132	0.0121	-0.0337
1668	9.06	9.38	0.9306	0.7549	-0.0451	1.6405	-0.0377	-0.0115	0.0132	-0.036
1669	9.23	9.39	0.9309	0.7554	-0.0452	1.6412	-0.0441	-0.0079	0.017	-0.035
1670	9.2	9.4	0.9313	0.7551	-0.0452	1.6412	-0.0542	-0.0057	0.0176	-0.0422
1671	9.73	9.37	0.9313	0.7549	-0.0451	1.6411	-0.0565	-0.0116	0.0157	-0.0523
1672	9.2	9.32	0.9314	0.7548	-0.0453	1.6409	-0.0589	-0.0037	0.014	-0.0487
1673	9.39	9.29	0.9314	0.7549	-0.0455	1.6408	-0.0619	-0.0024	0.014	-0.0503
1674	9.63	9.29	0.9319	0.755	-0.0453	1.6416	-0.0616	0.0029	0.0126	-0.046
1675	9.4	9.29	0.9322	0.755	-0.0453	1.6419	-0.0641	0.0008	0.0109	-0.0524
1676	8.91	9.31	0.9323	0.7546	-0.0453	1.6415	-0.0609	-0.0052	0.0092	-0.0568
1677	9.74	9.35	0.9323	0.7548	-0.0451	1.642	-0.0607	-0.0081	0.0095	-0.0593
1678	9.9	9.35	0.9323	0.7551	-0.0449	1.6425	-0.0649	-0.0116	0.0142	-0.0623
1679	9.45	9.36	0.932	0.7553	-0.0447	1.6425	-0.0733	-0.0203	0.017	-0.0766
1680	8.9	9.36	0.9315	0.7547	-0.045	1.6411	-0.078	-0.0224	0.0192	-0.0812
1681	8.89	9.35	0.9305	0.7546	-0.0454	1.6396	-0.0771	-0.0202	0.0208	-0.0766
1682	8.98	9.34	0.9301	0.7543	-0.0456	1.6388	-0.0732	-0.0215	0.0219	-0.0728
1683	9.54	9.32	0.9296	0.7547	-0.0455	1.6388	-0.0699	-0.0193	0.0249	-0.0644
1684	9.34	9.3	0.9291	0.7549	-0.0456	1.6385	-0.0648	-0.0106	0.0244	-0.051
1685	9.58	9.28	0.9292	0.7552	-0.0457	1.6387	-0.0488	-0.0089	0.0249	-0.0328
1686	9.59	9.3	0.9297	0.7553	-0.0456	1.6394	-0.0443	-0.0094	0.0234	-0.0304
1687	9.15	9.26	0.9308	0.7553	-0.0456	1.6405	-0.0535	-0.0038	0.0222	-0.035
1688	9.35	9.21	0.9312	0.7557	-0.0453	1.6416	-0.0652	0.0034	0.0245	-0.0372
1689	9.26	9.17	0.9312	0.7557	-0.0451	1.6419	-0.0755	0.0141	0.0257	-0.0357
1690	9.4	9.18	0.9313	0.7562	-0.0448	1.6428	-0.0855	0.0225	0.0296	-0.0334
1691	9.07	9.19	0.9311	0.7563	-0.0446	1.6427	-0.0886	0.023	0.0302	-0.0354
1692	9	9.19	0.9304	0.7564	-0.0448	1.642	-0.0907	0.0225	0.0301	-0.0381
1693	9.28	9.18	0.9297	0.7565	-0.045	1.6412	-0.0922	0.0221	0.0263	-0.0439

1694	9.07	9.14	0.9293	0.7568	-0.0451	1.6409	-0.0927	0.03	0.022	-0.0407
1695	9.18	9.09	0.9294	0.7568	-0.0453	1.6409	-0.086	0.0338	0.0191	-0.0331
1696	9.09	9.07	0.9295	0.757	-0.0454	1.6411	-0.0901	0.0352	0.0192	-0.0357
1697	8.78	9.08	0.9297	0.757	-0.0456	1.6411	-0.0988	0.0363	0.019	-0.0435
1698	8.79	9.06	0.9299	0.7568	-0.0457	1.641	-0.108	0.0377	0.0193	-0.051
1699	9.1	9.07	0.9293	0.7558	-0.0457	1.6394	-0.1155	0.0353	0.0197	-0.0605
1700	9.04	9.06	0.9288	0.7553	-0.0457	1.6384	-0.1237	0.0332	0.0201	-0.0704
1701	8.94	9.04	0.9286	0.7554	-0.0456	1.6384	-0.1278	0.0362	0.0205	-0.071
1702	9.47	9.03	0.9292	0.7563	-0.0453	1.6402	-0.1313	0.0362	0.0188	-0.0763
1703	8.42	9.01	0.9289	0.7568	-0.0454	1.6403	-0.1327	0.0391	0.019	-0.0746
1704	8.79	9	0.9281	0.7561	-0.0455	1.6387	-0.1312	0.0368	0.0183	-0.0762
1705	9.14	8.98	0.9278	0.7564	-0.0457	1.6384	-0.1303	0.0307	0.0177	-0.0819
1706	9.29	9	0.9277	0.7569	-0.0458	1.6388	-0.1316	0.0298	0.0172	-0.0846
1707	9.03	9	0.9282	0.756	-0.0462	1.638	-0.1361	0.029	0.0176	-0.0896
1708	9.39	9.01	0.9292	0.7555	-0.0462	1.6385	-0.1351	0.0287	0.0185	-0.0878
1709	9.23	8.97	0.9306	0.7547	-0.0461	1.6392	-0.1322	0.0323	0.0235	-0.0764
1710	8.79	8.97	0.9317	0.7542	-0.046	1.6399	-0.131	0.0337	0.0241	-0.0732
1711	8.77	8.96	0.9321	0.7543	-0.0459	1.6405	-0.1218	0.0299	0.0212	-0.0707
1712	8.92	8.93	0.9326	0.7541	-0.0458	1.6409	-0.104	0.0251	0.0219	-0.0571
1713	8.84	8.96	0.9331	0.7537	-0.0458	1.641	-0.091	0.0286	0.0217	-0.0407
1714	8.86	8.96	0.9336	0.7537	-0.0458	1.6415	-0.0963	0.035	0.0217	-0.0396
1715	9.46	8.94	0.9341	0.7539	-0.0457	1.6423	-0.0921	0.034	0.0217	-0.0363
1716	8.81	8.91	0.9345	0.7538	-0.0458	1.6425	-0.0844	0.0383	0.0198	-0.0264
1717	8.97	8.91	0.9345	0.7537	-0.0458	1.6424	-0.0822	0.0451	0.0194	-0.0178
1718	8.38	8.87	0.9347	0.7535	-0.0461	1.6422	-0.0807	0.0433	0.0167	-0.0207
1719	8.95	8.85	0.9352	0.7533	-0.0462	1.6423	-0.0794	0.0373	0.0177	-0.0243
1720	8.65	8.85	0.9353	0.754	-0.0462	1.6432	-0.0778	0.043	0.0191	-0.0157
1721	9.08	8.85	0.9356	0.754	-0.0462	1.6434	-0.0704	0.0384	0.02	-0.012
1722	8.9	8.83	0.9361	0.7539	-0.0461	1.6439	-0.0652	0.0304	0.0209	-0.0139
1723	8.78	8.85	0.9369	0.7534	-0.0459	1.6444	-0.0631	0.0248	0.0198	-0.0185
1724	8.66	8.83	0.9374	0.7537	-0.0456	1.6455	-0.0562	0.026	0.0194	-0.0109
1725	8.89	8.83	0.9377	0.7542	-0.0455	1.6464	-0.044	0.0263	0.0205	0.0028
1726	8.87	8.82	0.9375	0.7543	-0.0456	1.6463	-0.0407	0.0206	0.0199	-0.0002
1727	8.65	8.84	0.9375	0.7544	-0.0458	1.6461	-0.034	0.0136	0.0178	-0.0025
1728	8.87	8.87	0.9379	0.7549	-0.046	1.6468	-0.023	0.0153	0.0203	0.0126
1729	8.93	8.85	0.9386	0.7549	-0.0462	1.6473	-0.02	0.0173	0.021	0.0183
1730	8.63	8.86	0.939	0.7548	-0.0464	1.6474	-0.0208	0.0129	0.0217	0.0138

1731	8.69	8.86	0.939	0.7548	-0.0465	1.6473	-0.0262	0.0043	0.0194	-0.0025
1732	9.1	8.86	0.9391	0.7545	-0.0468	1.6468	-0.0344	-0.0025	0.0146	-0.0223
1733	8.56	8.87	0.9391	0.7537	-0.0467	1.6461	-0.0369	-0.0044	0.0124	-0.0289
1734	9.35	8.92	0.9381	0.7536	-0.0468	1.6448	-0.0447	-0.0046	0.0131	-0.0362
1735	8.77	8.93	0.938	0.7536	-0.0469	1.6447	-0.0524	-0.0078	0.0119	-0.0483
1736	9.17	8.97	0.9385	0.7531	-0.0468	1.6447	-0.0543	-0.008	0.0092	-0.0532
1737	8.95	9.02	0.9386	0.7529	-0.0469	1.6446	-0.0501	-0.0086	0.0088	-0.0499
1738	8.58	9.04	0.9386	0.7524	-0.0469	1.6442	-0.0415	-0.0106	0.0093	-0.0428
1739	8.96	9.05	0.9392	0.7522	-0.047	1.6443	-0.0387	-0.0097	0.0131	-0.0353
1740	9.06	9.06	0.9395	0.7523	-0.0471	1.6447	-0.042	-0.0124	0.0161	-0.0383
1741	8.94	9.08	0.9394	0.7525	-0.0469	1.645	-0.043	-0.008	0.0185	-0.0325
1742	8.96	9.09	0.9398	0.7522	-0.0466	1.6454	-0.0445	-0.0121	0.0222	-0.0344
1743	9.48	9.11	0.9403	0.7516	-0.0463	1.6456	-0.0509	-0.0126	0.0207	-0.0428
1744	9.11	9.1	0.9402	0.7517	-0.0462	1.6457	-0.0598	-0.0128	0.0172	-0.0553
1745	9.72	9.13	0.9402	0.7516	-0.0461	1.6457	-0.0663	-0.0128	0.0156	-0.0636
1746	9.62	9.12	0.9401	0.752	-0.0461	1.646	-0.0687	-0.0118	0.0148	-0.0656
1747	9.12	9.12	0.9403	0.7524	-0.0461	1.6466	-0.0657	-0.011	0.0151	-0.0617
1748	9.25	9.14	0.9404	0.7526	-0.0461	1.6469	-0.0543	-0.008	0.014	-0.0482
1749	8.76	9.14	0.9404	0.753	-0.0462	1.6472	-0.0458	-0.0081	0.0144	-0.0395
1750	9.05	9.17	0.9405	0.7528	-0.0463	1.6471	-0.0463	-0.014	0.0146	-0.0457
1751	9.33	9.17	0.9407	0.7528	-0.0463	1.6472	-0.042	-0.0165	0.014	-0.0446
1752	8.87	9.17	0.9408	0.753	-0.0465	1.6473	-0.0448	-0.0153	0.0151	-0.045
1753	9.27	9.14	0.9409	0.7531	-0.0465	1.6475	-0.0393	-0.0062	0.0183	-0.0272
1754	9.25	9.14	0.9408	0.7533	-0.0465	1.6476	-0.0423	-0.0015	0.0175	-0.0263
1755	9.05	9.1	0.9407	0.7534	-0.0466	1.6475	-0.0511	-0.0092	0.0164	-0.0439
1756	8.93	9.07	0.9408	0.7531	-0.0467	1.6472	-0.0557	-0.0061	0.0147	-0.047
1757	8.85	9.09	0.9408	0.7527	-0.0469	1.6465	-0.0571	-0.0002	0.0138	-0.0435
1758	9.07	9.08	0.9405	0.7525	-0.0474	1.6456	-0.0525	-0.0104	0.01	-0.0528
1759	9.51	9.11	0.9405	0.7522	-0.0475	1.6451	-0.0422	-0.0153	0.0095	-0.048
1760	9.06	9.14	0.9394	0.7522	-0.0474	1.6442	-0.0272	-0.0248	0.0115	-0.0405
1761	8.92	9.14	0.9382	0.7525	-0.0475	1.6432	-0.0154	-0.0306	0.0122	-0.0338
1762	9.02	9.19	0.9377	0.7524	-0.0475	1.6426	-0.0102	-0.0301	0.0137	-0.0267
1763	8.98	9.21	0.9385	0.7515	-0.0475	1.6425	-0.0048	-0.0325	0.0148	-0.0225
1764	8.97	9.2	0.9382	0.7513	-0.0474	1.6421	0.0005	-0.0378	0.0149	-0.0224
1765	9.11	9.19	0.938	0.751	-0.0471	1.6419	0.0063	-0.0377	0.0151	-0.0163
1766	9.39	9.18	0.9384	0.7508	-0.0469	1.6423	0.0128	-0.0356	0.0163	-0.0065
1767	9.11	9.18	0.9386	0.7509	-0.0467	1.6427	0.017	-0.0379	0.0156	-0.0053

1768	9.34	9.16	0.9386	0.7512	-0.0469	1.6429	0.0175	-0.0397	0.0157	-0.0066
1769	9.64	9.14	0.9387	0.7512	-0.0471	1.6428	0.0204	-0.0416	0.0121	-0.0091
1770	9.33	9.18	0.9384	0.7512	-0.0472	1.6424	0.0267	-0.0446	0.0111	-0.0068
1771	9.82	9.18	0.9378	0.7519	-0.0472	1.6425	0.0286	-0.0365	0.0112	0.0034
1772	9.68	9.16	0.9377	0.7523	-0.0473	1.6427	0.0322	-0.0377	0.0114	0.0059
1773	9.12	9.16	0.937	0.7523	-0.0474	1.6418	0.0396	-0.0395	0.0123	0.0125
1774	8.82	9.17	0.9363	0.7523	-0.0474	1.6413	0.0497	-0.0454	0.0157	0.0199
1775	8.78	9.17	0.9363	0.7529	-0.0473	1.6419	0.0573	-0.0428	0.0195	0.034
1776	8.75	9.15	0.9357	0.7532	-0.0471	1.6418	0.062	-0.0367	0.0213	0.0466
1777	8.76	9.17	0.9346	0.7532	-0.0471	1.6407	0.0607	-0.0359	0.0209	0.0457
1778	9.14	9.16	0.9343	0.7534	-0.047	1.6407	0.0613	-0.0345	0.0172	0.044
1779	9.69	9.14	0.9341	0.754	-0.0469	1.6412	0.0679	-0.0287	0.0153	0.0545
1780	9.06	9.13	0.9341	0.7543	-0.047	1.6414	0.0785	-0.0288	0.0124	0.062
1781	8.6	9.1	0.9339	0.7548	-0.0469	1.6419	0.0845	-0.03	0.0103	0.0648
1782	8.97	9.05	0.9338	0.7547	-0.0468	1.6417	0.0863	-0.0317	0.0089	0.0634
1783	9.16	9.07	0.9341	0.7552	-0.0468	1.6424	0.0889	-0.0366	0.0046	0.057
1784	9.13	9.09	0.9343	0.7557	-0.0468	1.6433	0.0899	-0.0478	0.0059	0.048
1785	9.01	9.1	0.9346	0.756	-0.0466	1.644	0.0762	-0.0514	0.0044	0.0293
1786	9.38	9.12	0.9348	0.7561	-0.0465	1.6444	0.0758	-0.0522	0.0033	0.027
1787	9.3	9.15	0.9349	0.7564	-0.0465	1.6448	0.0846	-0.0609	0.0044	0.028
1788	9.22	9.12	0.9351	0.7566	-0.0466	1.6451	0.0883	-0.0642	0.0036	0.0278
1789	9.08	9.06	0.9354	0.757	-0.0467	1.6457	0.089	-0.0726	0.0038	0.0202
1790	9.27	9.04	0.9356	0.7571	-0.0466	1.646	0.1005	-0.0783	0.001	0.0231
1791	8.78	9.07	0.9355	0.7575	-0.0469	1.6461	0.1069	-0.077	0	0.0299
1792	9.35	9.07	0.9355	0.7576	-0.0469	1.6462	0.1078	-0.0756	0.0027	0.0349
1793	9.29	9.07	0.9357	0.7578	-0.0467	1.6468	0.1165	-0.0824	0.0083	0.0423
1794	9.05	9.03	0.9359	0.758	-0.0467	1.6473	0.1267	-0.093	0.014	0.0477
1795	9.08	9.01	0.9362	0.758	-0.0467	1.6475	0.1273	-0.0942	0.0161	0.0491
1796	9.24	9.01	0.9361	0.7581	-0.0469	1.6472	0.1297	-0.0975	0.0179	0.05
1797	8.65	8.92	0.9352	0.7578	-0.047	1.6459	0.1308	-0.0919	0.0185	0.0575
1798	8.53	8.86	0.9344	0.7576	-0.0471	1.645	0.1366	-0.0853	0.0189	0.0702
1799	8.77	8.81	0.9339	0.7572	-0.0472	1.6439	0.1414	-0.0846	0.0192	0.076
1800	9.13	9.13	0.933	0.7569	-0.0471	1.6429	0.1443	-0.0768	0.0175	0.085